**Frontend Code**

**Home**

|  |  |
| --- | --- |
|  | <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <title>3D Reconstruction</title> |
|  | <link href="[StyleSheet.css](file:///A:\GitHub%20Uploads\3DReconstruction\StyleSheet.css)" rel="stylesheet"> |
|  | <link href="[css/bootstrap.css](file:///A:\GitHub%20Uploads\3DReconstruction\css\bootstrap.css)" rel="stylesheet"> |
|  | <script src="[jquerry/popper.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\popper.js)"></script> |
|  | <script src="[jquerry/jquery.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\jquery.js)"></script> |
|  | <script src="[jquerry/bootstrap.min.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\bootstrap.min.js)"></script> |
|  | <link href="[css/font-awesome.css](file:///A:\GitHub%20Uploads\3DReconstruction\css\font-awesome.css)" crossorigin="anonymous"> |
|  | <link rel="stylesheet" href="<https://www.w3schools.com/w3css/4/w3.css>"> |
|  |  |
|  |  |
|  | <link rel="stylesheet" href="<https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css>" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous"> |
|  | <script src="<https://code.jquery.com/jquery-3.2.1.slim.min.js>" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script> |
|  | <script src="<https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js>" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script> |
|  | <script src="<https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js>" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script> |
|  | <link href="<https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css>" rel="stylesheet" integrity="sha384-wvfXpqpZZVQGK6TAh5PVlGOfQNHSoD2xbE+QkPxCAFlNEevoEH3Sl0sibVcOQVnN" crossorigin="anonymous"> |
|  | <link href="[style.css](file:///A:\GitHub%20Uploads\3DReconstruction\style.css)" rel="stylesheet"> |
|  | <link href="<https://fonts.googleapis.com/css?family=Montserrat>" rel="stylesheet"> |
|  |  |
|  |  |
|  | </head> |
|  | <body> |
|  |  |
|  | <!-- Navbar Starts --> |
|  | <header> |
|  |  |
|  |  |
|  | <nav class="navbar navbar-expand-md navbar-light container-fluid" id="Header"> |
|  | <a href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)"> |
|  | <img src="[Q-IMG/RoadGaugeArtboard 1.svg](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\RoadGaugeArtboard%201.svg)" class="logo"></a> |
|  | <button type="button" class="navbar-toggler" data-toggle="collapse" data-target="#Nav"> |
|  | <span class="navbar-toggler-icon"></span> |
|  | </button> |
|  | <div class="collapse navbar-collapse justify-content-center" id="Nav"> |
|  | <ul style="padding-left: 400px;" class="navbar-nav"> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)">Home</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[about project.html](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)">About Our Project</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[Projects.html](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)">Projects</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[buttons.html](file:///A:\GitHub%20Uploads\3DReconstruction\buttons.html)">3D Reconnstruction</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[visionandmission.html](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)">Vision & Mission</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[about.html](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)">About Us</a> |
|  | </li> |
|  | <li style="padding-left: 400px;"> |
|  | <a class="nav-link" href="<https://console.firebase.google.com/project/upload-e2858/storage/upload-e2858.appspot.com/files>">Firebase</a> |
|  | </li> |
|  | </ul> |
|  | </div> |
|  |  |
|  | </nav> |
|  | <br><br> |
|  | <!--<nav class="social"> |
|  | <div class="col-12"> |
|  | <a href="#"><span class="fa fa-facebook"></span></a> |
|  | <a href="#"><span class="fa fa-twitter"></span></a> |
|  | <a href="#"><span class="fa fa-instagram"></span></a> |
|  | <a href="#"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | </nav>--> |
|  | </header> |
|  |  |
|  |  |
|  | <!-- Navbar Ends --> |
|  | <!-- Slider Starts --> |
|  |  |
|  | <div class="carousel text-center" id="slides" data-ride="carousel"> |
|  | <ul class="carousel-indicators"> |
|  | <li data-target="#slides" data-slide-to="0" class="active"></li> |
|  | <li data-target="#slides" data-slide-to="1"></li> |
|  | <li data-target="#slides" data-slide-to="2"></li> |
|  | </ul> |
|  | <div class="carousel-inner"> |
|  | <div class="carousel-item active"> |
|  | <img src="[Q-IMG/q1.png](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\q1.png)" alt=".."> |
|  | <div class="carousel-caption"> |
|  | <!--<h1 class="display-2">PointClouds</h1> |
|  | <h3>3D Reconstruction</h3>--> |
|  | </div> |
|  | </div> |
|  | <div class="carousel-item"> |
|  | <img src="[Q-IMG/pt2.webp](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\pt2.webp)" alt=".."> |
|  | <div class="carousel-caption"> |
|  | <h1 class="display-2">PointClouds</h1> |
|  | <h3>Reconstruction</h3> |
|  | </div> |
|  | </div> |
|  | <div class="carousel-item"> |
|  | <img src="[Q-IMG/pt3.webp](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\pt3.webp)" alt=".."> |
|  | <div class="carousel-caption"> |
|  | <h1 class="display-2">PointClouds</h1> |
|  | <h3>Reconstruction</h3> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | </div> |
|  |  |
|  | <!-- Slider Ends --> |
|  |  |
|  |  |
|  | <!-- Chairman Message --> |
|  |  |
|  | <div class="container-fluid grey"> |
|  | <h3 class="text-center">3D Reconstruction</h3> |
|  | <div class="row" style="padding-top: 50px;"> |
|  | <div class="col-sm-12 col-md-6" align="justify"> |
|  | <p>Data Acquisition: Gather input data such as images, depth maps, or point clouds captured by cameras or sensors.<br> |
|  | Feature Extraction: Identify key features in the input data that can be matched across different views.<br> |
|  | Correspondence Estimation: Establish correspondences between features in different views to reconstruct 3D geometry.<br> |
|  | Triangulation: Calculate the 3D positions of points in the scene by triangulating correspondences between image points and scene points.<br> |
|  | Camera Calibration: Determine camera parameters to accurately relate 2D image points to 3D world coordinates.<br> |
|  | Bundle Adjustment: Refine camera parameters and 3D point positions to minimize errors and improve accuracy.<br> |
|  | Surface Reconstruction: Generate a continuous surface representation, typically in the form of a mesh or point cloud, from the reconstructed 3D points.<br> |
|  | Texture Mapping: Apply color or texture information from input images onto the reconstructed surface to enhance visual realism.<br> |
|  | Post-Processing: Optionally, perform additional steps like noise reduction or mesh simplification to improve the quality of the reconstructed model.<br> |
|  | Visualization and Analysis: Visualize and analyze the reconstructed 3D model for various applications such as virtual reality, augmented reality, or scientific research.</p> |
|  | </div> |
|  | <div class="col-sm-12 col-md-6 text-center" style="padding-top: 100px;"> |
|  | <figure> |
|  | <img style="width: 400px;" src="[Q-IMG/q2.jpg](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\q2.jpg)" alt="Chairman"> |
|  | <figcaption style="padding-top: 30px;"> |
|  | <h3>2D to 3D Reconstruction</h3> |
|  | <p>“3D reconstruction is the process of generating a three-dimensional model of an object or scene from two-dimensional images or sensor data.”</p> |
|  | </figcaption> |
|  | </figure> |
|  | </div> |
|  | </div> |
|  | </div> |
|  |  |
|  |  |
|  | <!-- parallex effect --> |
|  |  |
|  | <div class="parallex1"></div> |
|  |  |
|  | <!-- Services --> |
|  |  |
|  | <div id="features" style="background-color: rgb(206, 203, 203);"> |
|  | <div class="container" id="About Our Project"><br> |
|  | <h3 class="text-center" style="padding-bottom: 20px;">2D to 3D Reconstructing</h3> |
|  | <div class="row"> |
|  | <div class="col-sm-12 col-md-4"> |
|  | <figure> |
|  | <img src="[Q-IMG/frames.png](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\frames.png)" style="height: 233px; width:350px; border-radius: 50%;" class="img-fluid"> |
|  | <figcaption> |
|  | <h3><b>Collecting of dataset</b></h3> |
|  | <p text-align="justify" align="left" >Using a mobile device to capture datasets for 2D to 3D reconstruction is an accessible and efficient approach. |
|  | Mobile phones, equipped with advanced cameras and sensors, can capture multiple images of an object or scene from different angles. |
|  | These images are then processed using photogrammetry techniques or deep learning models to reconstruct a 3D model. |
|  | The convenience of mobile devices allows for quick and easy data collection, making it possible to create 3D models in various environments. |
|  | This approach is widely used in applications like virtual reality, augmented reality, and 3D printing, where mobility and ease of use are crucial. |
|  | </p> |
|  | </figcaption> |
|  | </figure> |
|  |  |
|  | </div> |
|  | <div class="col-sm-12 col-md-4"> |
|  | <figure> |
|  | <img src="[Q-IMG/f3.gif](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\f3.gif)" style="height: 233px; width:350px; border-radius: 10%;" class="img-fluid"> |
|  | <figcaption> |
|  | <h3><b>Processing</b></h3> |
|  | <p text-align="justify" align="left" >2D to 3D reconstruction is a process in computer vision that transforms flat, two-dimensional images into three-dimensional models. |
|  | This technique leverages depth estimation, photogrammetry, and machine learning algorithms to infer the spatial structure of objects and scenes from 2D images. |
|  | Applications of 2D to 3D reconstruction include creating virtual environments, enhancing augmented reality experiences, and reconstructing real-world objects for digital use in industries like gaming and architecture. |
|  | By converting 2D images into 3D models, it becomes possible to interact with and analyze objects in a more immersive and accurate manner.</p> |
|  | </figcaption> |
|  | </figure> |
|  | </div> |
|  | <div class="col-sm-12 col-md-4"> |
|  | <figure> |
|  | <img src="[Q-IMG/lookaround.gif](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\lookaround.gif)" style="height: 233px; width:350px; border-radius: 20%;" class="img-fluid"> |
|  | <figcaption> |
|  | <h3><b>Visualizing</b></h3> |
|  | <p text-align="justify" align="left" >Visualizing point clouds on a website enables interactive exploration of 3D data directly in a browser. |
|  | By using WebGL and JavaScript libraries like Three.js or Potree, developers can render complex point clouds in real-time, allowing users to rotate, zoom, and inspect 3D models from any angle. |
|  | This web-based visualization is crucial for fields like architecture, engineering, and geospatial analysis, where detailed 3D representations are needed. |
|  | Hosting point clouds online makes it easier to share and collaborate on 3D data, providing a platform for remote analysis, presentations, and education, all without the need for specialized software.</p> |
|  | </figcaption> |
|  | </figure> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | </div> |
|  |  |
|  |  |
|  | <div class="container-fluid grey" style="padding-top: 100px;padding-bottom: 100px;"> |
|  | <h2 class="text-center">Our team</h2><br><br> |
|  | <div class="row"> |
|  | <div class="col-sm-12 col-md-3"> |
|  | <figure> |
|  | <img src="[Q-IMG/am.PNG](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\am.PNG)" width="300" class="img-fluid"> |
|  | <figcaption style="padding-top: 20px;"> |
|  | <h5>Arbaz Moin</h5> |
|  | <p>2020F-BCE-111</p> |
|  | </figcaption> |
|  | </figure> |
|  | </div> |
|  | <div class="col-sm-12 col-md-3"> |
|  | <figure> |
|  | <img src="[Q-IMG/thk.PNG](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\thk.PNG)" width="300" class="img-fluid"> |
|  | <figcaption style="padding-top: 20px;"> |
|  | <h5>Talha Hussain Khan</h5> |
|  | <p>2020F-BCE-114</p> |
|  | </figccption> |
|  | </figure> |
|  | </div> |
|  | <div class="col-sm-12 col-md-3"> |
|  | <figure> |
|  | <img src="[Q-IMG/af.PNG](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\af.PNG)" width="300" class="img-fluid"> |
|  | <figcaption style="padding-top: 20px;"> |
|  | <h5>Arisha Fateh</h5> |
|  | <p>2020F-BCE-117</p> |
|  | </figcaption> |
|  | </figure> |
|  | </div> |
|  | <div class="col-sm-12 col-md-3"> |
|  | <figure> |
|  | <img src="[Q-IMG/ab.PNG](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\ab.PNG)" width="300" class="img-fluid"> |
|  | <figcaption style="padding-top: 20px;"> |
|  | <h5>Ahmad Baseer</h5> |
|  | <p>2020F-BCE-124</p> |
|  | </figcaption> |
|  | </figure> |
|  | </div> |
|  |  |
|  | </div> |
|  | </div> |
|  |  |
|  | <!-- Footer Starts --> |
|  |  |
|  | <footer class="black"> |
|  | <div class="container"> |
|  | <div class="row"> |
|  | <div class="col-5 black"> |
|  | <h4>Submit your email here</h4><br> |
|  | <p>By providing your email we will inform you the progress of 3D reconstruction.</p> |
|  | <input type="email" id="news-letter" placeholder="Enter Your Email..."> |
|  | <input type="button" id="news-letter-btn" value="Submit"> |
|  | </div> |
|  | <div class="col-2 black"> |
|  | <h4>Our links</h4> |
|  | <style>a {color: white;} </style> |
|  | <a href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)">Home</a><br> |
|  | <a href="[about project.html](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)">About Our Projet</a><br> |
|  | <a href="[Projects.html](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)">Projects</a><br> |
|  | <a href="[buttons.html](file:///A:\GitHub%20Uploads\3DReconstruction\buttons.html)">3D Reconnstruction</a><br> |
|  | <a href="[visionandmission.html](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)">Vision & Mission</a><br> |
|  | <a href="[about.html](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)">About Us</a><br> |
|  | <a href="<https://console.firebase.google.com/project/upload-e2858/storage/upload-e2858.appspot.com/files/~2Fmyimages>">Firebase</a> |
|  | </div> |
|  | <div class="col-5 black"> |
|  | <h4>Contact Us</h4> |
|  | <div class="col-12"> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\main.html)"><span class="fa fa-facebook"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\main.html)"><span class="fa fa-twitter"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\main.html)"><span class="fa fa-instagram"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\main.html)"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | <p><span class="fa fa-location-arrow"></span> Unit 3B Berwick Rd, Wooler NE71 6AH, United Kingdom</p> |
|  | <a href="<mailto:example@excellent.com>"><span class="fa fa-envelope"></span> Road@Gauge.com</a> |
|  | <p><span class="fa fa-phone"></span> +44 1665 576271</p> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | </footer> |
|  | <div class="container-fluid" id="rights"> |
|  | <p class="text-center"> &copy; RoadGauge 2024 <!--©--></p> |
|  | </div> |
|  |  |
|  | <!-- Footer Ends --> |
|  |  |
|  |  |
|  | </body> |
|  | </html> |
|  |  |

**About Our Project**

|  |  |
| --- | --- |
|  | <!doctype html> |
|  | <html> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="viewport" content="width=device-width, intial-scale=1.0, maximum-scale=1.0, user-scalable=no"> |
|  | <title>About Our Project</title> |
|  | <link href="[StyleSheet.css](file:///A:\GitHub%20Uploads\3DReconstruction\StyleSheet.css)" rel="stylesheet"> |
|  | <link href="[css/bootstrap.css](file:///A:\GitHub%20Uploads\3DReconstruction\css\bootstrap.css)" rel="stylesheet"> |
|  | <script src="[jquerry/popper.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\popper.js)"></script> |
|  | <script src="[jquerry/jquery.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\jquery.js)"></script> |
|  | <script src="[jquerry/bootstrap.min.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\bootstrap.min.js)"></script> |
|  | <link href="[css/font-awesome.css](file:///A:\GitHub%20Uploads\3DReconstruction\css\font-awesome.css)" crossorigin="anonymous"> |
|  | <link rel="stylesheet" href="<https://www.w3schools.com/w3css/4/w3.css>"> |
|  |  |
|  |  |
|  | <link rel="stylesheet" href="<https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css>" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous"> |
|  | <script src="<https://code.jquery.com/jquery-3.2.1.slim.min.js>" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script> |
|  | <script src="<https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js>" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script> |
|  | <script src="<https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js>" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script> |
|  | <link href="<https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css>" rel="stylesheet" integrity="sha384-wvfXpqpZZVQGK6TAh5PVlGOfQNHSoD2xbE+QkPxCAFlNEevoEH3Sl0sibVcOQVnN" crossorigin="anonymous"> |
|  | <link href="[style.css](file:///A:\GitHub%20Uploads\3DReconstruction\style.css)" rel="stylesheet"> |
|  | <link href="<https://fonts.googleapis.com/css?family=Montserrat>" rel="stylesheet"> |
|  |  |
|  | </head> |
|  |  |
|  |  |
|  | <body> |
|  |  |
|  |  |
|  |  |
|  |  |
|  | <!-- Old Navbar Starts |
|  |  |
|  | <nav class="social"> |
|  | <div class="col-12"> |
|  | <a href="#"><span class="fa fa-facebook"></span></a> |
|  | <a href="#"><span class="fa fa-twitter"></span></a> |
|  | <a href="#"><span class="fa fa-instagram"></span></a> |
|  | <a href="#"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | </nav> |
|  | <header> |
|  |  |
|  |  |
|  | <nav class="navbar navbar-expand-md navbar-light container-fluid" id="Header"> |
|  | <a href="3D Reconstruction.html"> |
|  | <img class="logo" src="Q-IMG/RoadGaugeArtboard 1.svg" id="logo"></a> |
|  | <button type="button" class="navbar-toggler" data-toggle="collapse" data-target="#Nav"> |
|  | <span class="navbar-toggler-icon"></span> |
|  | </button> |
|  | <div class="collapse navbar-collapse justify-content-center" id="Nav"> |
|  | <ul class="navbar-nav"> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="3D Reconstruction.html #3D Reconstruction ">3D Reconstruction</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="3D Reconstruction.html #About Our Project">About Our Project</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="3D Reconstruction.html #Features">Features</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="index.html">Reconnstruct</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="vision-mission.html">Vision & Mission</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="about project.html">About our project</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="#">About Us</a> |
|  | </li> |
|  | </ul> |
|  | </div> |
|  | </nav> |
|  | <div class="social" style="padding-top: 10px; padding-bottom: 50px;"> |
|  | <div class="col-12"> |
|  | <a href="#"><span class="fa fa-facebook"></span></a> |
|  | <a href="#"><span class="fa fa-twitter"></span></a> |
|  | <a href="#"><span class="fa fa-instagram"></span></a> |
|  | <a href="#"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | </div>--> |
|  | </header> |
|  |  |
|  | <!-- Old Navbar Ends --> |
|  |  |
|  | <!-- Navbar Starts --> |
|  | <header> |
|  |  |
|  |  |
|  | <nav class="navbar navbar-expand-md navbar-light container-fluid" id="Header"> |
|  | <a href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)"> |
|  | <img src="[Q-IMG/RoadGaugeArtboard 1.svg](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\RoadGaugeArtboard%201.svg)" class="logo"></a> |
|  | <button type="button" class="navbar-toggler" data-toggle="collapse" data-target="#Nav"> |
|  | <span class="navbar-toggler-icon"></span> |
|  | </button> |
|  | <div class="collapse navbar-collapse justify-content-center" id="Nav"> |
|  | <ul style="padding-left: 400px;" class="navbar-nav"> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)">Home</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[about project.html](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)">About Our Project</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[Projects.html](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)">Projects</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[buttons.html](file:///A:\GitHub%20Uploads\3DReconstruction\buttons.html)">3D Reconnstruction</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[visionandmission.html](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)">Vision & Mission</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[about.html](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)">About Us</a> |
|  | </li> |
|  | <li style="padding-left: 400px;"> |
|  | <a class="nav-link" href="<https://console.firebase.google.com/project/upload-e2858/storage/upload-e2858.appspot.com/files>">Firebase</a> |
|  | </li> |
|  | </ul> |
|  | </div> |
|  |  |
|  | </nav> |
|  | <br><br> |
|  | <!--<nav class="social"> |
|  | <div class="col-12"> |
|  | <a href="#"><span class="fa fa-facebook"></span></a> |
|  | <a href="#"><span class="fa fa-twitter"></span></a> |
|  | <a href="#"><span class="fa fa-instagram"></span></a> |
|  | <a href="#"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | </nav>--> |
|  | </header> |
|  |  |
|  |  |
|  | <!-- Navbar Ends --> |
|  |  |
|  |  |
|  | <!-- About --> |
|  |  |
|  | <br> |
|  |  |
|  | <div class="container-fluid" style="background-color: rgb(237, 237, 240);"> |
|  | <i><h3 class="text-center"><b>About Our Project</b></h3></i> |
|  | <i><h5 class="text-justify">Dataset</h5></i> |
|  | <div class="row"> |
|  | <div class="col-sm-12 col-md-6" align="left"> |
|  | <p text-align="justify" align="left">3D reconstruction various techniques and algorithms used to create three-dimensional models of objects or scenes from two-dimensional images or sensor data. Here's an overview of some key concepts and data commonly used in 3D reconstruction: <br> |
|  | <b>Point Cloud Data:</b> Represents 3D points obtained from scanning technologies like LiDAR or photogrammetry.<br> |
|  | <b>Depth Maps:</b> Provide depth information from stereo vision techniques.<br> |
|  | <b>Camera Calibration Parameters:</b> Intrinsic and extrinsic parameters needed to map 2D image coordinates to 3D world coordinates.<br> |
|  | <b>Feature Extraction and Matching:</b> Identifying and matching distinctive points in images.<br> |
|  | <b>Triangulation:</b> Estimating 3D point positions from multiple camera viewpoints.<br> |
|  | <b>Bundle Adjustment:</b> Optimizing camera parameters and 3D point positions for accuracy.<br> |
|  | <b>Surface Reconstruction:</b> Generating continuous surface representations from point clouds.<br> |
|  | <b>Mesh Representation:</b> Defining object surfaces with vertices, edges, and faces.<br> |
|  | <b>Texture Mapping:</b> Applying color or texture information onto 3D models.<br> |
|  | These elements work together to create detailed and accurate 3D models used in various fields like computer vision, robotics, and virtual reality.</p> |
|  | </div> |
|  | <div class="col-sm-12 col-md-6 text-center" align="right"> |
|  | <figure> |
|  | <img src="[Q-IMG/works.jpg](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\works.jpg)" style="height: 233px; width:350px; border-radius: 50%;" class="img-fluid"> |
|  | <figcaption style="padding-top: 30px;"> |
|  | <u><h3>Dataset</h3></u> |
|  | <p>Achieving smooth dataset</p> |
|  | </figcaption> |
|  | </figure> |
|  | </div> |
|  | </div> |
|  |  |
|  |  |
|  | <i><h5 class="text-right">2D to 3D Reconstruction</h5></i> |
|  | <div class="row"> |
|  | <div class="col-sm-12 col-md-6 text-center" align="left"> |
|  | <figure> |
|  | <img src="[Q-IMG/f4.png](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\f4.png)" style="height: 233px; width:350px; border-radius: 10%;" class="img-fluid"> |
|  | <figcaption style="padding-top: 30px;"> |
|  | <u><h3>2D to 3D Reconstruction</h3></u> |
|  | <p>Reconnstructing 2D to 3D</p> |
|  | </figcaption> |
|  | </figure> |
|  | </div> |
|  | <div class="col-sm-12 col-md-6" align="left"> |
|  | <p text-align="justify" align="left" >Converting 3D reconstructions to point clouds is a common process used for data representation, visualization, and analysis. Here's a brief summary of how this conversion typically works:<br> |
|  |  |
|  | <b>Generate 3D Reconstruction:</b> First, a 3D reconstruction of an object or scene is created using techniques like stereo vision, structure-from-motion, or depth sensing. This reconstruction may result in a mesh representation or a dense point cloud.<br> |
|  | <b>Point Cloud Generation:</b> If the initial reconstruction is in mesh form, it can be converted into a point cloud by extracting the vertices of the mesh. Each vertex becomes a point in the point cloud, retaining its 3D position.<br> |
|  | <b>Simplify or Downsample:</b> Depending on the complexity of the scene and the desired level of detail, the point cloud may be simplified or downsampled to reduce its size while preserving important features. This can help improve processing efficiency and reduce storage requirements.<br> |
|  | <b>Additional Information:</b> Optionally, additional information such as color or intensity values can be associated with each point in the point cloud. This information may come from the original images used for reconstruction or other sources.<br> |
|  | <b>Export:</b> Once the point cloud is generated and any additional information is added, it can be exported in various file formats suitable for further analysis, visualization, or sharing. Common formats include PLY (Polygon File Format) and XYZ.</p> |
|  | </div> |
|  | </div> |
|  | </div> |
|  |  |
|  | <div> |
|  | <video style="width: 1950px;" autoplay muted loop id="myVideo"> |
|  | <source src="[ab.mp4](file:///A:\GitHub%20Uploads\3DReconstruction\ab.mp4)" type="video/mp4"> |
|  | </video></div> |
|  | <div class="container-fluid"> |
|  |  |
|  | <i><h5 class="text-left">PointCloud On Website</h5></i> |
|  | <div class="row"> |
|  | <div class="col-sm-12 col-md-6" align="left"> |
|  | <p text-align="justify" align="left" >Pointclouds of 3D reconstructions on a website allows for interactive visualization and sharing of three-dimensional data. Here's a summary of how this can be achieved:<br> |
|  |  |
|  | <b>Point Cloud Data Preparation:</b> Prepare the point cloud data obtained from the 3D reconstruction process. This may involve converting mesh data into point cloud format, downsampling the point cloud for optimal performance, and associating any additional information such as color or intensity values with each point.<br> |
|  | <b>Web-based Visualization Tools:</b> Utilize web-based visualization libraries or tools specifically designed for displaying 3D point clouds in a browser environment. Popular options include Potree, Three.js, and CesiumJS. These libraries provide features for loading, rendering, and interacting with point cloud data directly within a web page.<br> |
|  | <b>Website Integration:</b> Integrate the chosen visualization tool into your website's frontend code. This typically involves including the necessary JavaScript libraries and assets, as well as writing HTML and CSS code to define the layout and structure of the webpage.<br> |
|  | <b>Data Hosting:</b> Host the point cloud data and associated assets (such as textures or metadata) on a web server. Ensure that the data is accessible via URLs that can be loaded by the visualization tool within the web page.<br> |
|  | <b>Interactivity and Navigation:</b> Enhance the user experience by implementing interactive features such as point selection, zooming, panning, and rotating. Provide intuitive controls for navigating the point cloud scene and exploring different perspectives.<br> |
|  | <b>Performance Optimization:</b> Optimize the performance of the web-based visualization by minimizing data size, using efficient rendering techniques, and implementing progressive loading strategies to handle large datasets effectively.</p> |
|  | </div> |
|  | <div class="col-sm-12 col-md-6 text-center" align="right"> |
|  | <figure> |
|  | <img src="[Q-IMG/web.PNG](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\web.PNG)" style="height: 233px; width:350px; border-radius: 20%;" class="img-fluid"> |
|  | <figcaption style="padding-top: 30px;"> |
|  | <u><h3>PointCloud On Website</h3></u> |
|  | <p>Visualizing on web portal</p> |
|  | </figcaption> |
|  | </figure> |
|  | </div> |
|  | </div> |
|  |  |
|  |  |
|  |  |
|  | <i><h5 class="text-right">Hardware</h5></i> |
|  | <div class="row"> |
|  | <div class="col-sm-12 col-md-6 text-center" align="left"> |
|  | <figure> |
|  | <img src="[Q-IMG/hd.PNG](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\hd.PNG)" style="height: 233px; width:350px; border-radius: 20%;" class="img-fluid"> |
|  | <figcaption style="padding-top: 30px;"> |
|  | <u><h3>Hardware</h3></u> |
|  | <p>Custom made tripod</p> |
|  | </figcaption> |
|  | </figure> |
|  | </div> |
|  | <div class="col-sm-12 col-md-6" align="left"> |
|  | <p text-align="justify" align="left"><b>Hardware:</b> is spcially designed for 360 Rotation Shooting Tripod is the perfect accessory for anyone. With its automatic tracking feature, you can capture smooth shots with ease.<br> |
|  | <b>The tripod:</b> rotates 360 degrees, allowing you to capture every angle of your subject. It is compatible with most cameras and smartphones, making it a versatile tool for anyone. The tripod is made of high-quality materials, ensuring durability and stability during use.<br> |
|  | Whether you're shooting a object, interior hall, or a professional video, this tripod is the perfect addition to your gear.</p> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | <div class=" w3-container " id="about" style="background-color: rgb(239, 242, 243);"> |
|  | <p class="w3-large w3-center w3-padding-16">Our project stats:</p> |
|  | <p class="w3-wide"><i class="fa fa-camera"></i>Accuracy</p> |
|  | <div class="w3-light-grey"> |
|  | <div class="w3-container w3-padding-small w3-dark-grey w3-center" style="width:90%">90%</div> |
|  | </div> |
|  | <p class="w3-wide"><i class="fa fa-laptop"></i>Friendly User Interface</p> |
|  | <div class="w3-light-grey"> |
|  | <div class="w3-container w3-padding-small w3-dark-grey w3-center" style="width:85%">85%</div> |
|  | </div> |
|  | <p class="w3-wide"><i class="fa fa-photo"></i>Data Collection</p> |
|  | <div class="w3-light-grey"> |
|  | <div class="w3-container w3-padding-small w3-dark-grey w3-center" style="width:75%">75%</div> |
|  | </div> |
|  | </div> <br> |
|  |  |
|  | <!-- Footer Starts --> |
|  |  |
|  | <footer class="black"> |
|  | <div class="container"> |
|  | <div class="row"> |
|  | <div class="col-5 black"> |
|  | <h4>Submit your email here</h4><br> |
|  | <p>By providing your email we will inform you the progress of 3D reconstruction.</p> |
|  | <input type="email" id="news-letter" placeholder="Enter Your Email..."> |
|  | <input type="button" id="news-letter-btn" value="Submit"> |
|  | </div> |
|  | <div class="col-2 black"> |
|  | <h4>Our links</h4> |
|  | <style>a {color: white;}</style> |
|  | <a href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)">Home</a><br> |
|  | <a href="[about project.html](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)">About Our Projet</a><br> |
|  | <a href="[Projects.html](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)">Projects</a><br> |
|  | <a href="[buttons.html](file:///A:\GitHub%20Uploads\3DReconstruction\buttons.html)">3D Reconnstruction</a><br> |
|  | <a href="[visionandmission.html](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)">Vision & Mission</a><br> |
|  | <a href="[about.html](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)">About Us</a><br> |
|  | <a href="<https://console.firebase.google.com/project/upload-e2858/storage/upload-e2858.appspot.com/files/~2Fmyimages>">Firebase</a> |
|  | </div> |
|  | <div class="col-5 black"> |
|  | <h4>Contact Us</h4> |
|  | <div class="col-12"> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)"><span class="fa fa-facebook"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)"><span class="fa fa-twitter"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)"><span class="fa fa-instagram"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | <p><span class="fa fa-location-arrow"></span> Unit 3B Berwick Rd, Wooler NE71 6AH, United Kingdom</p> |
|  | <a href="<mailto:example@excellent.com>"><span class="fa fa-envelope"></span> Road@Gauge.com</a> |
|  | <p><span class="fa fa-phone"></span> +44 1665 576271</p> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | </footer> |
|  | <div class="container-fluid" id="rights"> |
|  | <p class="text-center"> &copy; RoadGauge 2024 <!--©--></p> |
|  | </div> |
|  |  |
|  | <!-- Footer Ends --> |
|  | </body> |
|  | </html> |
|  |  |

**Projects**

|  |  |
| --- | --- |
|  | <!doctype html> |
|  | <html> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="viewport" content="width=device-width, intial-scale=1.0, maximum-scale=1.0, user-scalable=no"> |
|  | <title>Projects</title> |
|  | <link href="[StyleSheet.css](file:///A:\GitHub%20Uploads\3DReconstruction\StyleSheet.css)" rel="stylesheet"> |
|  | <link href="[css/bootstrap.css](file:///A:\GitHub%20Uploads\3DReconstruction\css\bootstrap.css)" rel="stylesheet"> |
|  | <script src="[jquerry/popper.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\popper.js)"></script> |
|  | <script src="[jquerry/jquery.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\jquery.js)"></script> |
|  | <script src="[jquerry/bootstrap.min.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\bootstrap.min.js)"></script> |
|  | <link href="[css/font-awesome.css](file:///A:\GitHub%20Uploads\3DReconstruction\css\font-awesome.css)" crossorigin="anonymous"> |
|  | <link rel="stylesheet" href="<https://www.w3schools.com/w3css/4/w3.css>"> |
|  |  |
|  |  |
|  | <link rel="stylesheet" href="<https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css>" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous"> |
|  | <script src="<https://code.jquery.com/jquery-3.2.1.slim.min.js>" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script> |
|  | <script src="<https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js>" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script> |
|  | <script src="<https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js>" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script> |
|  | <link href="<https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css>" rel="stylesheet" integrity="sha384-wvfXpqpZZVQGK6TAh5PVlGOfQNHSoD2xbE+QkPxCAFlNEevoEH3Sl0sibVcOQVnN" crossorigin="anonymous"> |
|  | <link href="[style.css](file:///A:\GitHub%20Uploads\3DReconstruction\style.css)" rel="stylesheet"> |
|  | <link href="<https://fonts.googleapis.com/css?family=Montserrat>" rel="stylesheet"> |
|  |  |
|  | </head> |
|  |  |
|  |  |
|  | <body> |
|  |  |
|  |  |
|  |  |
|  |  |
|  | <!-- Navbar Starts --> |
|  | <header> |
|  |  |
|  |  |
|  | <nav class="navbar navbar-expand-md navbar-light container-fluid" id="Header"> |
|  | <a href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)"> |
|  | <img src="[Q-IMG/RoadGaugeArtboard 1.svg](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\RoadGaugeArtboard%201.svg)" class="logo"></a> |
|  | <button type="button" class="navbar-toggler" data-toggle="collapse" data-target="#Nav"> |
|  | <span class="navbar-toggler-icon"></span> |
|  | </button> |
|  | <div class="collapse navbar-collapse justify-content-center" id="Nav"> |
|  | <ul style="padding-left: 400px;" class="navbar-nav"> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)">Home</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[about project.html](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)">About Our Project</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[Projects.html](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)">Projects</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[buttons.html](file:///A:\GitHub%20Uploads\3DReconstruction\buttons.html)">3D Reconnstruction</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[visionandmission.html](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)">Vision & Mission</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[about.html](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)">About Us</a> |
|  | </li> |
|  | <li style="padding-left: 400px;"> |
|  | <a class="nav-link" href="<https://console.firebase.google.com/project/upload-e2858/storage/upload-e2858.appspot.com/files>">Firebase</a> |
|  | </li> |
|  | </ul> |
|  | </div> |
|  |  |
|  | </nav> |
|  | <br><br> |
|  | <!--<nav class="social"> |
|  | <div class="col-12"> |
|  | <a href="#"><span class="fa fa-facebook"></span></a> |
|  | <a href="#"><span class="fa fa-twitter"></span></a> |
|  | <a href="#"><span class="fa fa-instagram"></span></a> |
|  | <a href="#"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | </nav>--> |
|  | </header> |
|  |  |
|  |  |
|  | <!-- Navbar Ends --> |
|  |  |
|  | <iframe style="height: 500px;" src="<http://localhost/potree/chai.html>"></iframe> |
|  |  |
|  | <!-- Page content --> |
|  | <div class="w3-content w3-padding" style="max-width:1564px"> |
|  |  |
|  | <!-- Project Section --> |
|  | <div class="w3-container w3-padding-32" id="projects"> |
|  | <h3 class="w3-border-bottom w3-border-light-grey w3-padding-16">Projects</h3> |
|  | </div> |
|  |  |
|  | <div class="w3-row-padding"> |
|  | <div class="w3-col l3 m6 w3-margin-bottom"> |
|  | <div class="w3-display-container"> |
|  | <div class="w3-display-topleft w3-black w3-padding"><a href="<http://localhost/potree/awall/awall.html>">AWall</a></div> |
|  | <img src="[Q-IMG/awallgif.gif](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\awallgif.gif)" alt="House" style="width:100%; height: 200px"> |
|  | </div> |
|  | </div> |
|  | <div class="w3-col l3 m6 w3-margin-bottom"> |
|  | <div class="w3-display-container"> |
|  | <div class="w3-display-topleft w3-black w3-padding"><a href="<http://localhost/potree/chai.html>">Lab Chair</a></div> |
|  | <img src="[ndss/chair.gif](file:///A:\GitHub%20Uploads\3DReconstruction\ndss\chair.gif)" alt="House" style="width:100%; height: 200px"> |
|  | </div> |
|  | </div> |
|  | <div class="w3-col l3 m6 w3-margin-bottom"> |
|  | <div class="w3-display-container"> |
|  | <div class="w3-display-topleft w3-black w3-padding"><a href="<http://localhost/potree/nd3/newdata3.html>">Faculty Room</a></div> |
|  | <img src="[ndss/nd3.gif](file:///A:\GitHub%20Uploads\3DReconstruction\ndss\nd3.gif)" alt="House" style="width:99%; height: 200px"> |
|  | </div> |
|  | </div> |
|  | <div class="w3-col l3 m6 w3-margin-bottom"> |
|  | <div class="w3-display-container"> |
|  | <div class="w3-display-topleft w3-black w3-padding"><a href="<http://localhost/potree/nd5/newdata5.html>">StandMan</a></div> |
|  | <img src="[ndss/nd5.gif](file:///A:\GitHub%20Uploads\3DReconstruction\ndss\nd5.gif)" alt="House" style="width:99%; height: 200px"> |
|  | </div> |
|  | </div> |
|  | </div> |
|  |  |
|  | <div class="w3-row-padding"> |
|  | <div class="w3-col l3 m6 w3-margin-bottom"> |
|  | <div class="w3-display-container"> |
|  | <div class="w3-display-topleft w3-black w3-padding"><a href="<http://localhost/potree/nd4/newdata4.html>">SWall</a></div> |
|  | <img src="[ndss/nd4.gif](file:///A:\GitHub%20Uploads\3DReconstruction\ndss\nd4.gif)" alt="House" style="width:99%; height: 200px"> |
|  | </div> |
|  | </div> |
|  | <div class="w3-col l3 m6 w3-margin-bottom"> |
|  | <div class="w3-display-container"> |
|  | <div class="w3-display-topleft w3-black w3-padding"><a href="<http://localhost/potree-develop/examples/showcase/cooler_towern.html>">Cooler</a></div> |
|  | <img src="[ndss/cooler.gif](file:///A:\GitHub%20Uploads\3DReconstruction\ndss\cooler.gif)" alt="House" style="width:99%; height: 200px"> |
|  | </div> |
|  | </div> |
|  | <div class="w3-col l3 m6 w3-margin-bottom"> |
|  | <div class="w3-display-container"> |
|  | <div class="w3-display-topleft w3-black w3-padding"><a href="<http://localhost/potree-develop/examples/showcase/lion_head_simone_garagnanin.html>">Lion Head</a></div> |
|  | <img src="[ndss/lionhead.gif](file:///A:\GitHub%20Uploads\3DReconstruction\ndss\lionhead.gif)" alt="House" style="width:99%; height: 200px"> |
|  | </div> |
|  | </div> |
|  | <div class="w3-col l3 m6 w3-margin-bottom"> |
|  | <div class="w3-display-container"> |
|  | <div class="w3-display-topleft w3-black w3-padding"><a href="<http://localhost/potree-develop/examples/viewern.html>">View</a></div> |
|  | <img src="[ndss/viewern.gif](file:///A:\GitHub%20Uploads\3DReconstruction\ndss\viewern.gif)" alt="House" style="width:100%; height: 200px"> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | <!-- Footer Starts --> |
|  |  |
|  | <footer class="black"> |
|  | <div class="container"> |
|  | <div class="row"> |
|  | <div class="col-5 black"> |
|  | <h4>Submit your email here</h4><br> |
|  | <p>By providing your email we will inform you the progress of 3D reconstruction.</p> |
|  | <input type="email" id="news-letter" placeholder="Enter Your Email..."> |
|  | <input type="button" id="news-letter-btn" value="Submit"> |
|  | </div> |
|  | <div class="col-2 black"> |
|  | <h4>Our links</h4> |
|  | <style>a {color: white;}</style> |
|  | <a href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)">Home</a><br> |
|  | <a href="[about project.html](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)">About Our Projet</a><br> |
|  | <a href="[Projects.html](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)">Projects</a><br> |
|  | <a href="[buttons.html](file:///A:\GitHub%20Uploads\3DReconstruction\buttons.html)">3D Reconnstruction</a><br> |
|  | <a href="[visionandmission.html](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)">Vision & Mission</a><br> |
|  | <a href="[about.html](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)">About Us</a><br> |
|  | <a href="<https://console.firebase.google.com/project/upload-e2858/storage/upload-e2858.appspot.com/files/~2Fmyimages>">Firebase</a> |
|  | </div> |
|  | <div class="col-5 black"> |
|  | <h4>Contact Us</h4> |
|  | <div class="col-12"> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)"><span class="fa fa-facebook"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)"><span class="fa fa-twitter"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)"><span class="fa fa-instagram"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | <p><span class="fa fa-location-arrow"></span> Unit 3B Berwick Rd, Wooler NE71 6AH, United Kingdom</p> |
|  | <a href="<mailto:example@excellent.com>"><span class="fa fa-envelope"></span> Road@Gauge.com</a> |
|  | <p><span class="fa fa-phone"></span> +44 1665 576271</p> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | </footer> |
|  | <div class="container-fluid" id="rights"> |
|  | <p class="text-center"> &copy; RoadGauge 2024 <!--©--></p> |
|  | </div> |
|  |  |
|  | <!-- Footer Ends --> |
|  | </body> |
|  | </html> |
|  |  |

**3D Reconstruction**

|  |  |
| --- | --- |
|  | <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="UTF-8" /> |
|  | <meta http-equiv="X-UA-Compatible" content="IE=edge" /> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0" /> |
|  | <title>Reconstruction</title> |
|  | <link rel="stylesheet" href="[./index.css](file:///A:\GitHub%20Uploads\3DReconstruction\index.css)" /> |
|  |  |
|  | </head> |
|  | <body> |
|  | <!--NEW--> |
|  |  |
|  | <style>#bvid |
|  | { |
|  | /\*height:119%; background: none; border: 0px; bottom: 0px; float: none; left: 0px; margin: 0px; padding: 0px; position: absolute; right: 0px; width: 100%;\*/ |
|  | position: absolute; |
|  | width: 100%; |
|  | height: max-content; |
|  | } |
|  | </style> |
|  |  |
|  | <!-- Navbar Starts |
|  | <header> |
|  |  |
|  |  |
|  | <nav class="navbar navbar-expand-md navbar-light container-fluid" id="Header"> |
|  | <a href="3D Reconstruction.html"> |
|  | <img src="Q-IMG/1logo.jpg" class="logo"></a> |
|  | <button type="button" class="navbar-toggler" data-toggle="collapse" data-target="#Nav"> |
|  | <span class="navbar-toggler-icon"></span> |
|  | </button> |
|  | <div class="collapse navbar-collapse justify-content-center" id="Nav"> |
|  | <ul class="navbar-nav"> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="#3D Reconstruction">3D Reconstruction</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="#About Our Project">About Our Project</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="#Features">Features</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="reconns/index.html">Reconnstruct</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="vision-mission.html">Vision & Mission</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="#">Contact Us</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="#">About Us</a> |
|  | </li> |
|  | </ul> |
|  | </div> |
|  |  |
|  | </nav> |
|  | <br><br> |
|  | <nav class="social"> |
|  | <div class="col-12"> |
|  | <a href="#"><span class="fa fa-facebook"></span></a> |
|  | <a href="#"><span class="fa fa-twitter"></span></a> |
|  | <a href="#"><span class="fa fa-instagram"></span></a> |
|  | <a href="#"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | </nav> |
|  | </header> |
|  |  |
|  |  |
|  | Navbar Ends --> |
|  |  |
|  | <div class="container"> |
|  | <video id="bvid" autoplay muted loop id="myVideo"> |
|  |  |
|  | <source src="[hpvideo.mp4](file:///A:\GitHub%20Uploads\3DReconstruction\hpvideo.mp4)" type="video/mp4"> |
|  | </video> |
|  | </div> |
|  | <!--END--> |
|  | <div style="position:relative;"><a href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)"> |
|  | <img src="[Q-IMG/RoadGaugeArtboard 1.svg](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\RoadGaugeArtboard%201.svg)" class="logo"></a></div> |
|  | <div class="imageUpload"> |
|  | <input type="file" class="inp" onchange="getImageData(event)" multiple /> |
|  | <button onclick="selectImage()" class="selectImage">Dataset</button> |
|  | <div class="metaData"></div> |
|  | <div class="progressBar"> |
|  | <div class="progress"></div> |
|  | </div> |
|  | <div style="padding-left: 10px;"><button onclick="uploadImage()" class="upload">Upload</button></div> |
|  |  |
|  | <span class="completeMsg"></span> |
|  | <span class="loading">Loading...</span> |
|  | <div class="images"></div> |
|  | </div> |
|  | <div class="visual"> |
|  | <button class="btnv" onclick="document.location='http://localhost/potree/Vdata/VisualData.html'"> PointCloud </button> |
|  | <button class="btnv" onclick="document.location='file:///A:/GitHub%20Uploads/3DReconstruction/reports.html'"> Generate Reports </button> |
|  | </div> |
|  | <div class="visual"> |
|  | <button class="btnvrp" style="position: relative;" onclick="document.location='https://console.firebase.google.com/project/upload-e2858/storage/upload-e2858.appspot.com/files'"> Check Reports </button> |
|  | </div> |
|  | <script src="<https://www.gstatic.com/firebasejs/8.10.0/firebase-app.js>"></script> |
|  | <script src="<https://www.gstatic.com/firebasejs/8.10.0/firebase-storage.js>"></script> |
|  | <script> |
|  | const firebaseConfig = { |
|  | apiKey: "AIzaSyDkBgAPoyc5FCABQV0IHEaE2AovF-n64Qo", |
|  | authDomain: "upload-e2858.firebaseapp.com", |
|  | projectId: "upload-e2858", |
|  | storageBucket: "upload-e2858.appspot.com", |
|  | messagingSenderId: "684809171317", |
|  | appId: "1:684809171317:web:15dd128347349950bf633c" |
|  | }; |
|  |  |
|  | // Initialize Firebase |
|  | firebase.initializeApp(firebaseConfig); |
|  |  |
|  | // Get a reference to the storage service, which is used to create references in your storage bucket |
|  | const storage = firebase.storage(); |
|  |  |
|  | const inp = document.querySelector(".inp"); |
|  | const vr = document.querySelector(".vr"); |
|  | const progressbar = document.querySelector(".progress"); |
|  | const img = document.querySelector(".img"); |
|  | const body = document.querySelector("body"); |
|  | const metaData = document.querySelector(".metaData"); |
|  | const images = document.querySelector(".images"); |
|  | const loading = document.querySelector(".loading"); |
|  | const imageUpload = document.querySelector(".imageUpload"); |
|  | const completeMsg = document.querySelector(".completeMsg"); |
|  | let file; |
|  | let files; |
|  | let fileName; |
|  | let progress; |
|  | let uploadedFileName; |
|  |  |
|  | const selectImage = () => { |
|  | inp.click(); |
|  | }; |
|  |  |
|  | const getImageData = (e) => { |
|  | files = e.target.files; |
|  | for (let i = 0; i < files.length; i++) { |
|  | let imageData = document.createElement("span"); |
|  | imageData.className = "filedata"; |
|  | imageData.style.display = "block"; |
|  | imageData.innerHTML = files[i].name; |
|  | metaData.appendChild(imageData); |
|  | } |
|  | }; |
|  |  |
|  | const uploadImage = async () => { |
|  | for (let i = 0; i < files.length; i++) { |
|  | let url = await uploadProcess( |
|  | files[i], |
|  | Math.round(Math.random() \* 9999) + files[i].name |
|  | ); |
|  | if (url) { |
|  | loading.style.display = "none"; |
|  | /\*let image = document.createElement("img"); |
|  | image.style.display = "block"; |
|  | image.setAttribute("src", url); |
|  | image.className = "img"; |
|  | images.appendChild(image);\*/ |
|  | } |
|  | if (i === files.length - 1) { |
|  | completeMsg.innerHTML = `${files.length} file uploaded successfully!`; |
|  | } |
|  | } |
|  | }; |
|  |  |
|  | const uploadProcess = (file, fileName) => { |
|  | return new Promise((resolve, reject) => { |
|  | const storageRef = storage.ref().child("myimages"); |
|  | const folderRef = storageRef.child(fileName); |
|  | const uploadtask = folderRef.put(file); |
|  | /\* NEW \*/ |
|  | const randomNumber = Math.floor(Math.random() \* 1000000); |
|  | const folderPath = `Your ID:${randomNumber}/`; |
|  | // You can change this to your desired folder structure |
|  | const filePath = folderPath + file.name; // Combine folder path with the file name |
|  |  |
|  | // Create a reference to the file location in Firebase Storage |
|  | const fileRef = storage.ref(filePath); |
|  |  |
|  | if(file){ |
|  | fileRef.put(file).then(() => { |
|  | console.log('File uploaded successfully!'); |
|  | alert('File uploaded successfully! \nYour File ID: '+randomNumber+'\n'+ 'Check Reports after sometimes, the 3D Reconstruction is being underprocess.. '); |
|  | }).catch(error => { |
|  | console.error('File upload failed:', error); |
|  | alert('File upload failed!'); |
|  | }); |
|  | } |
|  | /\* END \*/ |
|  |  |
|  | uploadtask.on( |
|  | "state\_changed", |
|  | (snapshot) => { |
|  | loading.style.display = "block"; |
|  | progress = |
|  | (snapshot.bytesTransferred / snapshot.totalBytes) \* 100; |
|  | progress = Math.round(progress); |
|  | progressbar.style.width = progress + "%"; |
|  | progressbar.innerHTML = progress + "%"; |
|  | uploadedFileName = snapshot.ref.name; |
|  | }, |
|  | (error) => { |
|  | reject(error); |
|  | }, |
|  | () => { |
|  | storage |
|  | .ref("myimages") |
|  | .child(uploadedFileName) |
|  | .getDownloadURL() |
|  | .then((url) => { |
|  | console.log("URL", url); |
|  | resolve(url); |
|  | }); |
|  | } |
|  | ); |
|  | }); |
|  | }; |
|  | /\* NEW |
|  | document.getElementById('uploadForm').addEventListener('submit', function(event) { |
|  | event.preventDefault(); // Prevent the default form submission |
|  |  |
|  | const file = document.getElementById('fileInput').files[0]; |
|  | if (file) { |
|  | // Define the folder structure and file name |
|  |  |
|  | const randomNumber = Math.floor(Math.random() \* 1000000); |
|  | const folderPath = `Your ID:${randomNumber}/`; |
|  | // You can change this to your desired folder structure |
|  | const filePath = folderPath + file.name; // Combine folder path with the file name |
|  |  |
|  | // Create a reference to the file location in Firebase Storage |
|  | const fileRef = storage.ref(filePath); |
|  |  |
|  | // Upload the file |
|  | fileRef.put(file).then(() => { |
|  | console.log('File uploaded successfully!'); |
|  | alert('File uploaded successfully! Your File ID:'+randomNumber); |
|  | }).catch(error => { |
|  | console.error('File upload failed:', error); |
|  | alert('File upload failed!'); |
|  | }); |
|  | } else { |
|  | alert('Please select a file to upload.'); |
|  | } |
|  | });\*/ |
|  | </script> |
|  | </div> |
|  | </body> |
|  | </html> |

**Vision & Mission**

|  |  |
| --- | --- |
|  | <!doctype html> |
|  | <html> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="viewport" content="width=device-width, intial-scale=1.0, maximum-scale=1.0, user-scalable=no"> |
|  | <title>Vision&Mission</title> |
|  | <link href="[StyleSheet.css](file:///A:\GitHub%20Uploads\3DReconstruction\StyleSheet.css)" rel="stylesheet"> |
|  | <link href="[css/bootstrap.css](file:///A:\GitHub%20Uploads\3DReconstruction\css\bootstrap.css)" rel="stylesheet"> |
|  | <script src="[jquerry/popper.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\popper.js)"></script> |
|  | <script src="[jquerry/jquery.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\jquery.js)"></script> |
|  | <script src="[jquerry/bootstrap.min.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\bootstrap.min.js)"></script> |
|  | <link href="[css/font-awesome.css](file:///A:\GitHub%20Uploads\3DReconstruction\css\font-awesome.css)" crossorigin="anonymous"> |
|  | <link rel="stylesheet" href="<https://www.w3schools.com/w3css/4/w3.css>"> |
|  |  |
|  |  |
|  | <link rel="stylesheet" href="<https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css>" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous"> |
|  | <script src="<https://code.jquery.com/jquery-3.2.1.slim.min.js>" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script> |
|  | <script src="<https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js>" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script> |
|  | <script src="<https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js>" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script> |
|  | <link href="<https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css>" rel="stylesheet" integrity="sha384-wvfXpqpZZVQGK6TAh5PVlGOfQNHSoD2xbE+QkPxCAFlNEevoEH3Sl0sibVcOQVnN" crossorigin="anonymous"> |
|  | <link href="[style.css](file:///A:\GitHub%20Uploads\3DReconstruction\style.css)" rel="stylesheet"> |
|  | <link href="<https://fonts.googleapis.com/css?family=Montserrat>" rel="stylesheet"> |
|  |  |
|  | </head> |
|  |  |
|  |  |
|  | <body style="background-color: rgb(229, 237, 240);"> |
|  |  |
|  |  |
|  |  |
|  |  |
|  | <!-- Navbar Starts --> |
|  | <header> |
|  |  |
|  |  |
|  | <nav class="navbar navbar-expand-md navbar-light container-fluid" id="Header"> |
|  | <a href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)"> |
|  | <img src="[Q-IMG/RoadGaugeArtboard 1.svg](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\RoadGaugeArtboard%201.svg)" class="logo"></a> |
|  | <button type="button" class="navbar-toggler" data-toggle="collapse" data-target="#Nav"> |
|  | <span class="navbar-toggler-icon"></span> |
|  | </button> |
|  | <div class="collapse navbar-collapse justify-content-center" id="Nav"> |
|  | <ul style="padding-left: 400px;" class="navbar-nav"> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)">Home</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[about project.html](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)">About Our Project</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[Projects.html](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)">Projects</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[buttons.html](file:///A:\GitHub%20Uploads\3DReconstruction\buttons.html)">3D Reconnstruction</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[visionandmission.html](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)">Vision & Mission</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[about.html](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)">About Us</a> |
|  | </li> |
|  | <li style="padding-left: 400px;"> |
|  | <a class="nav-link" href="<https://console.firebase.google.com/project/upload-e2858/storage/upload-e2858.appspot.com/files>">Firebase</a> |
|  | </li> |
|  | </ul> |
|  | </div> |
|  |  |
|  | </nav> |
|  | <br><br> |
|  | <!--<nav class="social"> |
|  | <div class="col-12"> |
|  | <a href="#"><span class="fa fa-facebook"></span></a> |
|  | <a href="#"><span class="fa fa-twitter"></span></a> |
|  | <a href="#"><span class="fa fa-instagram"></span></a> |
|  | <a href="#"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | </nav>--> |
|  | </header> |
|  |  |
|  |  |
|  | <!-- Navbar Ends --> |
|  |  |
|  | <div class="container" style="padding-top: 50px;padding-bottom: 150px;"> |
|  | <div class="row"> |
|  | <div class="col-md-4"> |
|  | <h4>Our Feeds</h4><br> |
|  | <a href="[Q-IMG/CAP.PNG](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\CAP.PNG)" class="side-nav">Vision & Mission</a> |
|  | <a href="<https://www.linkedin.com/company/strada-imaging/posts/?feedView=all>" class="side-nav">Our Work</a> |
|  | <a href="[about.html](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)" class="side-nav">About Us</a> |
|  | </div> |
|  | <div class="col-md-8" class="row" style="padding-left: 30px;"> |
|  | <h3 class="text-center">Our Vision & Mission</h3><br><br> |
|  | <!--<img src="Q-IMG/CAP.PNG" class="img-fluid">--> |
|  | <div class="column"> |
|  | <div class="flip-card" tabIndex="0"> |
|  | <div class="flip-card-inner"> |
|  | <div class="flip-card-front"> |
|  | <h3 class="h31">Vision</h3> |
|  | </div> |
|  | <div class="flip-card-back"> |
|  | <h3 class="h31">"To pioneer the seamless transformation of static two-dimensional imagery into dynamic, immersive three-dimensional experiences, revolutionizing how we perceive and interact with the digital world."</h3> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | <div class="column"> |
|  | <div class="flip-card" tabIndex="0"> |
|  | <div class="flip-card-inner"> |
|  | <div class="flip-card-front"> |
|  | <h3 class="h31">Mission</h3> |
|  | </div> |
|  | <div class="flip-card-back"> |
|  | <h3 class="h31">"Empower users to unlock new possibilities in visualization, simulation, analysis, and communication through immersive 3D environments. Continuously innovate and push the boundaries of 2D to 3D reconstruction technology to enhance realism, scalability, and accessibility. "</h3> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | </div> |
|  |  |
|  | </div> |
|  | </div> |
|  | </div> |
|  |  |
|  | <div class="w3-display-container w3-content w3-wide" style="max-width:1600px;min-width:500px" id="home"> |
|  | <img class="w3-image" src="[Q-IMG/vm1.gif](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\vm1.gif)" alt="Hamburger Catering" width="1600" height="800"> |
|  | <div class="w3-display-bottomleft w3-padding-large w3-opacity"> |
|  | <h1 class="w3-xxlarge">PointClouds</h1> |
|  | </div> |
|  | </div> |
|  |  |
|  | <!-- Page content --> |
|  | <div class="w3-content" style="max-width:1100px"> |
|  |  |
|  | <!-- About Section --> |
|  | <div class="w3-row w3-padding-64" id="about"> |
|  | <div class="w3-col m6 w3-padding-large w3-hide-small"> |
|  | <img src="[Q-IMG/vm2.gif](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\vm2.gif)" class="w3-round w3-image w3-opacity-min" alt="Table Setting" width="600" height="750"> |
|  | </div> |
|  |  |
|  | <div class="w3-col m6 w3-padding-large"> |
|  | <h1 class="w3-center">Vision</h1><br> |
|  | <h5 class="w3-center"></h5> |
|  | <p class="w3-large">Point clouds are a powerful representation in the field of computer vision, particularly in 3D modeling and scene understanding. They consist of a collection of data points in space, each representing a specific location on an object’s surface. Unlike traditional 2D images, which capture the intensity of light at each pixel, point clouds provide depth information by encoding the exact coordinates of each point in a three-dimensional space. This allows for a more accurate and detailed representation of objects, which is essential for applications <span class="w3-tag w3-light-grey">3D reconstruction,</span> and augmented reality.</p> |
|  | <!--<p class="w3-large w3-text-grey w3-hide-medium">Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum consectetur adipiscing elit, sed do eiusmod temporincididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.</p>--> |
|  | </div> |
|  | </div> |
|  |  |
|  | <hr> |
|  |  |
|  | <!-- Menu Section --> |
|  | <div class="w3-row w3-padding-64" id="menu"> |
|  | <div class="w3-col l6 w3-padding-large"> |
|  | <h1 class="w3-center">Mission</h1><br> |
|  | <h4>Cost Effective</h4> |
|  | <p class="w3-text-grey">Producing good results without costing a lot of money.</p><br> |
|  |  |
|  | <h4>Accuracy</h4> |
|  | <p class="w3-text-grey">Accurate results (output) according to the input.</p><br> |
|  |  |
|  | <h4>User Friendly Interface</h4> |
|  | <p class="w3-text-grey">Anyone can use our application.</p><br> |
|  |  |
|  | <h4>Visualization of Pointclouds on webportal</h4> |
|  | <p class="w3-text-grey">In our web application any given data with the required files can be visualize in Pointclouds on webportal.</p><br> |
|  |  |
|  | <h4>Ease of getting input</h4> |
|  | <p class="w3-text-grey">Input can be taken easily by anyone.</p> |
|  | </div> |
|  |  |
|  | <div class="w3-col l6 w3-padding-large"> |
|  | <img src="[Q-IMG/q3.gif](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\q3.gif)" class="w3-round w3-image w3-opacity-min" alt="Menu" style="width:100%"> |
|  | </div> |
|  | </div> |
|  |  |
|  | <hr> |
|  | </div> |
|  |  |
|  | <!-- Footer Starts --> |
|  |  |
|  | <footer class="black"> |
|  | <div class="container"> |
|  | <div class="row"> |
|  | <div class="col-5 black"> |
|  | <h4>Submit your email here</h4><br> |
|  | <p>By providing your email we will inform you the progress of 3D reconstruction.</p> |
|  | <input type="email" id="news-letter" placeholder="Enter Your Email..."> |
|  | <input type="button" id="news-letter-btn" value="Submit"> |
|  | </div> |
|  | <div class="col-2 black"> |
|  | <h4>Our links</h4> |
|  | <style>a {color: white;}</style> |
|  | <a href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)">Home</a><br> |
|  | <a href="[about project.html](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)">About Our Projet</a><br> |
|  | <a href="[Projects.html](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)">Projects</a><br> |
|  | <a href="[buttons.html](file:///A:\GitHub%20Uploads\3DReconstruction\buttons.html)">3D Reconnstruction</a><br> |
|  | <a href="[visionandmission.html](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)">Vision & Mission</a><br> |
|  | <a href="[about.html](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)">About Us</a><br> |
|  | <a href="<https://console.firebase.google.com/project/upload-e2858/storage/upload-e2858.appspot.com/files/~2Fmyimages>">Firebase</a> |
|  | </div> |
|  | <div class="col-5 black"> |
|  | <h4>Contact Us</h4> |
|  | <div class="col-12"> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)"><span class="fa fa-facebook"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)"><span class="fa fa-twitter"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)"><span class="fa fa-instagram"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | <p><span class="fa fa-location-arrow"></span> Unit 3B Berwick Rd, Wooler NE71 6AH, United Kingdom</p> |
|  | <a href="<mailto:example@excellent.com>"><span class="fa fa-envelope"></span> Road@Gauge.com</a> |
|  | <p><span class="fa fa-phone"></span> +44 1665 576271</p> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | </footer> |
|  | <div class="container-fluid" id="rights"> |
|  | <p class="text-center"> &copy; RoadGauge 2024 <!--©--></p> |
|  | </div> |
|  |  |
|  | <!-- Footer Ends --> |
|  | </body> |
|  | </html> |
|  |  |

**About Us**

|  |  |
| --- | --- |
|  | <!doctype html> |
|  | <html> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="viewport" content="width=device-width, intial-scale=1.0, maximum-scale=1.0, user-scalable=no"> |
|  | <title>AboutUs</title> |
|  | <link href="[StyleSheet.css](file:///A:\GitHub%20Uploads\3DReconstruction\StyleSheet.css)" rel="stylesheet"> |
|  | <link href="[css/bootstrap.css](file:///A:\GitHub%20Uploads\3DReconstruction\css\bootstrap.css)" rel="stylesheet"> |
|  | <script src="[jquerry/popper.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\popper.js)"></script> |
|  | <script src="[jquerry/jquery.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\jquery.js)"></script> |
|  | <script src="[jquerry/bootstrap.min.js](file:///A:\GitHub%20Uploads\3DReconstruction\jquerry\bootstrap.min.js)"></script> |
|  | <link href="[css/font-awesome.css](file:///A:\GitHub%20Uploads\3DReconstruction\css\font-awesome.css)" crossorigin="anonymous"> |
|  | <link rel="stylesheet" href="<https://www.w3schools.com/w3css/4/w3.css>"> |
|  |  |
|  |  |
|  | <link rel="stylesheet" href="<https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css>" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous"> |
|  | <script src="<https://code.jquery.com/jquery-3.2.1.slim.min.js>" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script> |
|  | <script src="<https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js>" integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q" crossorigin="anonymous"></script> |
|  | <script src="<https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js>" integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl" crossorigin="anonymous"></script> |
|  | <link href="<https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css>" rel="stylesheet" integrity="sha384-wvfXpqpZZVQGK6TAh5PVlGOfQNHSoD2xbE+QkPxCAFlNEevoEH3Sl0sibVcOQVnN" crossorigin="anonymous"> |
|  | <link href="[style.css](file:///A:\GitHub%20Uploads\3DReconstruction\style.css)" rel="stylesheet"> |
|  | <link href="<https://fonts.googleapis.com/css?family=Montserrat>" rel="stylesheet"> |
|  |  |
|  |  |
|  |  |
|  | <link rel="stylesheet" href="[css/style.css](file:///A:\GitHub%20Uploads\3DReconstruction\css\style.css)"> |
|  |  |
|  | </head> |
|  |  |
|  |  |
|  | <body> |
|  |  |
|  | <!-- Navbar Starts --> |
|  | <header> |
|  |  |
|  |  |
|  | <nav class="navbar navbar-expand-md navbar-light container-fluid" id="Header"> |
|  | <a href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)"> |
|  | <img src="[Q-IMG/RoadGaugeArtboard 1.svg](file:///A:\GitHub%20Uploads\3DReconstruction\Q-IMG\RoadGaugeArtboard%201.svg)" class="logo"></a> |
|  | <button type="button" class="navbar-toggler" data-toggle="collapse" data-target="#Nav"> |
|  | <span class="navbar-toggler-icon"></span> |
|  | </button> |
|  | <div class="collapse navbar-collapse justify-content-center" id="Nav"> |
|  | <ul style="padding-left: 400px;" class="navbar-nav"> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)">Home</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[about project.html](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)">About Our Project</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[Projects.html](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)">Projects</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[buttons.html](file:///A:\GitHub%20Uploads\3DReconstruction\buttons.html)">3D Reconnstruction</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[visionandmission.html](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)">Vision & Mission</a> |
|  | </li> |
|  | <li class="nav-item"> |
|  | <a class="nav-link" href="[about.html](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)">About Us</a> |
|  | </li> |
|  | <li style="padding-left: 400px;"> |
|  | <a class="nav-link" href="<https://console.firebase.google.com/project/upload-e2858/storage/upload-e2858.appspot.com/files>">Firebase</a> |
|  | </li> |
|  | </ul> |
|  | </div> |
|  |  |
|  | </nav> |
|  | <br><br> |
|  | <!--<nav class="social"> |
|  | <div class="col-12"> |
|  | <a href="#"><span class="fa fa-facebook"></span></a> |
|  | <a href="#"><span class="fa fa-twitter"></span></a> |
|  | <a href="#"><span class="fa fa-instagram"></span></a> |
|  | <a href="#"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | </nav>--> |
|  | </header> |
|  |  |
|  |  |
|  | <!-- Navbar Ends --> |
|  |  |
|  | <header> |
|  | <div> |
|  | <p style="font-weight: 900; color: white;"> Final Year Project: 3D Mapping of Building for Inspection </p> |
|  | <p> Submitted by: 2020F BS in Computer Engineering </p> |
|  | </div> |
|  | </header><br> |
|  |  |
|  | <div class="timeline"> |
|  | <div class="container"> |
|  |  |
|  | <div class="timeline-item"> |
|  | <div class="timeline-img"></div> |
|  | <div class="timeline-content js--fadeInLeft"> |
|  | <h2>Arbaz Moin</h2> |
|  | <div class="rollno">2020F-BCE-111</div> |
|  | <p>Frontend Developer, Database connection <br> Hardware <br> Documentation</p> |
|  | <a style="color: rgb(0, 26, 255);" href="<https://www.linkedin.com/in/arbaz-moin-524592158/>">View Profile</a> |
|  | </div> |
|  | </div> |
|  |  |
|  | <div class="timeline-item"> |
|  | <div class="timeline-img"></div> |
|  | <div class="timeline-content js--fadeInRight"> |
|  | <h2>Talha Hussain Khan</h2> |
|  | <div class="rollno">2020F-BCE-114</div> |
|  | <p>Backend Developer <br> Hardware <br> Documentation</p> |
|  | <a style="color: rgb(0, 26, 255);" href="<https://www.linkedin.com/in/talha-hussain-khan/>">View Profile</a> |
|  | </div> |
|  | </div> |
|  |  |
|  | <div class="timeline-item"> |
|  | <div class="timeline-img"></div> |
|  | <div class="timeline-content js--fadeInLeft"> |
|  | <h2>Arisha Fateh</h2> |
|  | <div class="rollno">2020F-BCE-117</div> |
|  | <p>Documentation <br> Frontend Database connectivity <br> Hardware</p> |
|  | <a style="color: rgb(0, 26, 255);" href="<https://www.linkedin.com/in/arisha-fateh-a89546205/>">View Profile</a> |
|  | </div> |
|  | </div> |
|  |  |
|  | <div class="timeline-item"> |
|  | <div class="timeline-img"></div> |
|  | <div class="timeline-content js--fadeInRight"> |
|  | <h2>Ahmad Baseer</h2> |
|  | <div class="rollno">2020F-BCE-124</div> |
|  | <p>Backend Developer <br> Hardware <br> Documentation</p> |
|  | <a style="color: rgb(0, 26, 255);" href="<https://www.linkedin.com/in/ahmad-baseer/>">View Profile</a> |
|  | </div> |
|  | </div> |
|  |  |
|  | <!--<div class="timeline-item"> |
|  | <div class="timeline-img"></div> |
|  | <div class="timeline-content js--fadeInLeft"> |
|  | <h2>Software Engineering</h2> |
|  | <div class="date">Jun 2023</div> |
|  | <p>FIFA Player Management System.</p> |
|  | <a class="bnt-more" href="javascript:void(0)">More</a> |
|  | </div> |
|  | </div>--> |
|  |  |
|  | </div> |
|  | </div> |
|  | <script src='<https://code.jquery.com/jquery-2.2.4.min.js>'></script> |
|  | <script src='<https://cdn.jsdelivr.net/scrollreveal.js/3.3.1/scrollreveal.min.js>'></script> |
|  |  |
|  | <script src="[js/index.js](file:///A:\GitHub%20Uploads\3DReconstruction\js\index.js)"></script> |
|  |  |
|  | <!-- Footer Starts --> |
|  |  |
|  | <footer class="black"> |
|  | <div class="container"> |
|  | <div class="row"> |
|  | <div class="col-5 black"> |
|  | <h4>Submit your email here</h4><br> |
|  | <p>By providing your email we will inform you the progress of 3D reconstruction.</p> |
|  | <input type="email" id="news-letter" placeholder="Enter Your Email..."> |
|  | <input type="button" id="news-letter-btn" value="Submit"> |
|  | </div> |
|  | <div class="col-2 black"> |
|  | <h4>Our links</h4> |
|  | <style>a {color: white;}</style> |
|  | <a href="[3D Reconstruction.html](file:///A:\GitHub%20Uploads\3DReconstruction\3D%20Reconstruction.html)">Home</a><br> |
|  | <a href="[about project.html](file:///A:\GitHub%20Uploads\3DReconstruction\about%20project.html)">About Our Projet</a><br> |
|  | <a href="[Projects.html](file:///A:\GitHub%20Uploads\3DReconstruction\Projects.html)">Projects</a><br> |
|  | <a href="[buttons.html](file:///A:\GitHub%20Uploads\3DReconstruction\buttons.html)">3D Reconnstruction</a><br> |
|  | <a href="[visionandmission.html](file:///A:\GitHub%20Uploads\3DReconstruction\visionandmission.html)">Vision & Mission</a><br> |
|  | <a href="[about.html](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)">About Us</a><br> |
|  | <a href="<https://console.firebase.google.com/project/upload-e2858/storage/upload-e2858.appspot.com/files/~2Fmyimages>">Firebase</a> |
|  | </div> |
|  | <div class="col-5 black"> |
|  | <h4>Contact Us</h4> |
|  | <div class="col-12"> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)"><span class="fa fa-facebook"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)"><span class="fa fa-twitter"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)"><span class="fa fa-instagram"></span></a> |
|  | <a href="[#](file:///A:\GitHub%20Uploads\3DReconstruction\about.html)"><span class="fa fa-youtube"></span></a> |
|  | </div> |
|  | <p><span class="fa fa-location-arrow"></span> Unit 3B Berwick Rd, Wooler NE71 6AH, United Kingdom</p> |
|  | <a href="<mailto:example@excellent.com>"><span class="fa fa-envelope"></span> Road@Gauge.com</a> |
|  | <p><span class="fa fa-phone"></span> +44 1665 576271</p> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | </footer> |
|  | <div class="container-fluid" id="rights"> |
|  | <p class="text-center"> &copy; RoadGauge 2024 <!--©--></p> |
|  | </div> |
|  |  |
|  | <!-- Footer Ends --> |
|  | </body> |
|  | </html> |

**Firebase “Connectivity”**

|  |
| --- |
| <script src="<https://www.gstatic.com/firebasejs/8.10.0/firebase-app.js>"></script> |
| <script src="<https://www.gstatic.com/firebasejs/8.10.0/firebase-storage.js>"></script> |
| <script> |
| const firebaseConfig = { |
| apiKey: "AIzaSyDkBgAPoyc5FCABQV0IHEaE2AovF-n64Qo", |
| authDomain: "upload-e2858.firebaseapp.com", |
| projectId: "upload-e2858", |
| storageBucket: "upload-e2858.appspot.com", |
| messagingSenderId: "684809171317", |
| appId: "1:684809171317:web:15dd128347349950bf633c" |
| }; |
|  |
| // Initialize Firebase |
| firebase.initializeApp(firebaseConfig); |
|  |
| // Get a reference to the storage service, which is used to create references in your storage bucket |
| const storage = firebase.storage(); |
|  |
| const inp = document.querySelector(".inp"); |
| const vr = document.querySelector(".vr"); |
| const progressbar = document.querySelector(".progress"); |
| const img = document.querySelector(".img"); |
| const body = document.querySelector("body"); |
| const metaData = document.querySelector(".metaData"); |
| const images = document.querySelector(".images"); |
| const loading = document.querySelector(".loading"); |
| const imageUpload = document.querySelector(".imageUpload"); |
| const completeMsg = document.querySelector(".completeMsg"); |
| let file; |
| let files; |
| let fileName; |
| let progress; |
| let uploadedFileName; |

**Projects ex#1**

|  |  |
| --- | --- |
|  | <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="description" content=""> |
|  | <meta name="author" content=""> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=no"> |
|  | <title>Potree Viewer</title> |
|  |  |
|  | <link rel="stylesheet" type="text/css" href="[./libs/potree/potree.css](http://localhost/potree/awall/libs/potree/potree.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/jquery-ui/jquery-ui.min.css](http://localhost/potree/awall/libs/jquery-ui/jquery-ui.min.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/openlayers3/ol.css](http://localhost/potree/awall/libs/openlayers3/ol.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/spectrum/spectrum.css](http://localhost/potree/awall/libs/spectrum/spectrum.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/jstree/themes/mixed/style.css](http://localhost/potree/awall/libs/jstree/themes/mixed/style.css)"> |
|  | </head> |
|  |  |
|  | <body> |
|  | <script src="[./libs/jquery/jquery-3.1.1.min.js](http://localhost/potree/awall/libs/jquery/jquery-3.1.1.min.js)"></script> |
|  | <script src="[./libs/spectrum/spectrum.js](http://localhost/potree/awall/libs/spectrum/spectrum.js)"></script> |
|  | <script src="[./libs/jquery-ui/jquery-ui.min.js](http://localhost/potree/awall/libs/jquery-ui/jquery-ui.min.js)"></script> |
|  | <script src="[./libs/other/BinaryHeap.js](http://localhost/potree/awall/libs/other/BinaryHeap.js)"></script> |
|  | <script src="[./libs/tween/tween.min.js](http://localhost/potree/awall/libs/tween/tween.min.js)"></script> |
|  | <script src="[./libs/d3/d3.js](http://localhost/potree/awall/libs/d3/d3.js)"></script> |
|  | <script src="[./libs/proj4/proj4.js](http://localhost/potree/awall/libs/proj4/proj4.js)"></script> |
|  | <script src="[./libs/openlayers3/ol.js](http://localhost/potree/awall/libs/openlayers3/ol.js)"></script> |
|  | <script src="[./libs/i18next/i18next.js](http://localhost/potree/awall/libs/i18next/i18next.js)"></script> |
|  | <script src="[./libs/jstree/jstree.js](http://localhost/potree/awall/libs/jstree/jstree.js)"></script> |
|  | <script src="[./libs/potree/potree.js](http://localhost/potree/awall/libs/potree/potree.js)"></script> |
|  | <script src="[./libs/plasio/js/laslaz.js](http://localhost/potree/awall/libs/plasio/js/laslaz.js)"></script> |
|  |  |
|  | <!-- INCLUDE ADDITIONAL DEPENDENCIES HERE --> |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  |  |
|  | <div class="potree\_container" style="position: absolute; width: 100%; height: 100%; left: 0px; top: 0px; "> |
|  | <div id="potree\_render\_area" style="background-image: url('../build/potree/resources/images/background.jpg');"></div> |
|  | </div> |
|  |  |
|  | <script> |
|  |  |
|  | window.viewer = new Potree.Viewer(document.getElementById("potree\_render\_area")); |
|  |  |
|  | viewer.setEDLEnabled(true); |
|  | viewer.setFOV(60); |
|  | viewer.setPointBudget(2\_000\_000); |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  | viewer.loadSettingsFromURL(); |
|  |  |
|  | viewer.setDescription(""); |
|  |  |
|  | viewer.loadGUI(() => { |
|  | viewer.setLanguage('en'); |
|  | $("#menu\_appearance").next().show(); |
|  | $("#menu\_tools").next().show(); |
|  | $("#menu\_clipping").next().show(); |
|  | viewer.toggleSidebar(); |
|  | }); |
|  |  |
|  | /\*viewer.setDescription('Point cloud By Computer Engineers');\*/ |
|  |  |
|  | Potree.loadPointCloud("./pointclouds/awall/metadata.json", "awall", e => { |
|  | let scene = viewer.scene; |
|  | let pointcloud = e.pointcloud; |
|  |  |
|  | let material = pointcloud.material; |
|  | material.size = 1; |
|  | material.pointSizeType = Potree.PointSizeType.ADAPTIVE; |
|  | material.shape = Potree.PointShape.SQUARE; |
|  | material.activeAttributeName = "rgba"; |
|  |  |
|  | scene.addPointCloud(pointcloud); |
|  |  |
|  | viewer.fitToScreen(); |
|  | }); |
|  |  |
|  |  |
|  |  |
|  | </script> |
|  |  |
|  |  |
|  | </body> |
|  | </html> |
|  |  |

**Projects ex#2**

|  |  |
| --- | --- |
|  | <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="description" content=""> |
|  | <meta name="author" content=""> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=no"> |
|  | <title>Potree Viewer</title> |
|  |  |
|  | <link rel="stylesheet" type="text/css" href="[./libs/potree/potree.css](http://localhost/potree/libs/potree/potree.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/jquery-ui/jquery-ui.min.css](http://localhost/potree/libs/jquery-ui/jquery-ui.min.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/openlayers3/ol.css](http://localhost/potree/libs/openlayers3/ol.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/spectrum/spectrum.css](http://localhost/potree/libs/spectrum/spectrum.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/jstree/themes/mixed/style.css](http://localhost/potree/libs/jstree/themes/mixed/style.css)"> |
|  | </head> |
|  |  |
|  | <body> |
|  | <script src="[./libs/jquery/jquery-3.1.1.min.js](http://localhost/potree/libs/jquery/jquery-3.1.1.min.js)"></script> |
|  | <script src="[./libs/spectrum/spectrum.js](http://localhost/potree/libs/spectrum/spectrum.js)"></script> |
|  | <script src="[./libs/jquery-ui/jquery-ui.min.js](http://localhost/potree/libs/jquery-ui/jquery-ui.min.js)"></script> |
|  | <script src="[./libs/other/BinaryHeap.js](http://localhost/potree/libs/other/BinaryHeap.js)"></script> |
|  | <script src="[./libs/tween/tween.min.js](http://localhost/potree/libs/tween/tween.min.js)"></script> |
|  | <script src="[./libs/d3/d3.js](http://localhost/potree/libs/d3/d3.js)"></script> |
|  | <script src="[./libs/proj4/proj4.js](http://localhost/potree/libs/proj4/proj4.js)"></script> |
|  | <script src="[./libs/openlayers3/ol.js](http://localhost/potree/libs/openlayers3/ol.js)"></script> |
|  | <script src="[./libs/i18next/i18next.js](http://localhost/potree/libs/i18next/i18next.js)"></script> |
|  | <script src="[./libs/jstree/jstree.js](http://localhost/potree/libs/jstree/jstree.js)"></script> |
|  | <script src="[./libs/potree/potree.js](http://localhost/potree/libs/potree/potree.js)"></script> |
|  | <script src="[./libs/plasio/js/laslaz.js](http://localhost/potree/libs/plasio/js/laslaz.js)"></script> |
|  |  |
|  | <!-- INCLUDE ADDITIONAL DEPENDENCIES HERE --> |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  |  |
|  | <div class="potree\_container" style="position: absolute; width: 100%; height: 100%; left: 0px; top: 0px; "> |
|  | <div id="potree\_render\_area" style="background-image: url('../build/potree/resources/images/background.jpg');"></div> |
|  | <!-- <div id="potree\_sidebar\_container"> </div> --> |
|  | </div> |
|  |  |
|  | <script> |
|  |  |
|  | window.viewer = new Potree.Viewer(document.getElementById("potree\_render\_area")); |
|  |  |
|  | viewer.setEDLEnabled(true); |
|  | viewer.setFOV(60); |
|  | viewer.setPointBudget(2\_000\_000); |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  | viewer.loadSettingsFromURL(); |
|  |  |
|  | viewer.setDescription(""); |
|  |  |
|  | viewer.loadGUI(() => { |
|  | viewer.setLanguage('en'); |
|  | $("#menu\_appearance").next().show(); |
|  | $("#menu\_tools").next().show(); |
|  | $("#menu\_clipping").next().show(); |
|  | viewer.toggleSidebar(); |
|  | }); |
|  |  |
|  |  |
|  |  |
|  | Potree.loadPointCloud("./pointclouds/chai/metadata.json", "chai", e => { |
|  | let scene = viewer.scene; |
|  | let pointcloud = e.pointcloud; |
|  |  |
|  | let material = pointcloud.material; |
|  | material.size = 1; |
|  | material.pointSizeType = Potree.PointSizeType.ADAPTIVE; |
|  | material.shape = Potree.PointShape.SQUARE; |
|  | material.activeAttributeName = "rgba"; |
|  |  |
|  | scene.addPointCloud(pointcloud); |
|  |  |
|  | viewer.fitToScreen(); |
|  | }); |
|  |  |
|  |  |
|  |  |
|  | </script> |
|  |  |
|  |  |
|  | </body> |
|  | </html> |
|  |  |

**Projects ex#3**

|  |  |
| --- | --- |
|  | <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="description" content=""> |
|  | <meta name="author" content=""> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=no"> |
|  | <title>Potree Viewer</title> |
|  |  |
|  | <link rel="stylesheet" type="text/css" href="[./libs/potree/potree.css](http://localhost/potree/nd3/libs/potree/potree.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/jquery-ui/jquery-ui.min.css](http://localhost/potree/nd3/libs/jquery-ui/jquery-ui.min.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/openlayers3/ol.css](http://localhost/potree/nd3/libs/openlayers3/ol.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/spectrum/spectrum.css](http://localhost/potree/nd3/libs/spectrum/spectrum.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/jstree/themes/mixed/style.css](http://localhost/potree/nd3/libs/jstree/themes/mixed/style.css)"> |
|  | </head> |
|  |  |
|  | <body> |
|  | <script src="[./libs/jquery/jquery-3.1.1.min.js](http://localhost/potree/nd3/libs/jquery/jquery-3.1.1.min.js)"></script> |
|  | <script src="[./libs/spectrum/spectrum.js](http://localhost/potree/nd3/libs/spectrum/spectrum.js)"></script> |
|  | <script src="[./libs/jquery-ui/jquery-ui.min.js](http://localhost/potree/nd3/libs/jquery-ui/jquery-ui.min.js)"></script> |
|  | <script src="[./libs/other/BinaryHeap.js](http://localhost/potree/nd3/libs/other/BinaryHeap.js)"></script> |
|  | <script src="[./libs/tween/tween.min.js](http://localhost/potree/nd3/libs/tween/tween.min.js)"></script> |
|  | <script src="[./libs/d3/d3.js](http://localhost/potree/nd3/libs/d3/d3.js)"></script> |
|  | <script src="[./libs/proj4/proj4.js](http://localhost/potree/nd3/libs/proj4/proj4.js)"></script> |
|  | <script src="[./libs/openlayers3/ol.js](http://localhost/potree/nd3/libs/openlayers3/ol.js)"></script> |
|  | <script src="[./libs/i18next/i18next.js](http://localhost/potree/nd3/libs/i18next/i18next.js)"></script> |
|  | <script src="[./libs/jstree/jstree.js](http://localhost/potree/nd3/libs/jstree/jstree.js)"></script> |
|  | <script src="[./libs/potree/potree.js](http://localhost/potree/nd3/libs/potree/potree.js)"></script> |
|  | <script src="[./libs/plasio/js/laslaz.js](http://localhost/potree/nd3/libs/plasio/js/laslaz.js)"></script> |
|  |  |
|  | <!-- INCLUDE ADDITIONAL DEPENDENCIES HERE --> |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  |  |
|  | <div class="potree\_container" style="position: absolute; width: 100%; height: 100%; left: 0px; top: 0px; "> |
|  | <div id="potree\_render\_area" style="background-image: url('../build/potree/resources/images/background.jpg');"></div> |
|  | </div> |
|  |  |
|  | <script> |
|  |  |
|  | window.viewer = new Potree.Viewer(document.getElementById("potree\_render\_area")); |
|  |  |
|  | viewer.setEDLEnabled(true); |
|  | viewer.setFOV(60); |
|  | viewer.setPointBudget(2\_000\_000); |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  | viewer.loadSettingsFromURL(); |
|  |  |
|  | viewer.setDescription(""); |
|  |  |
|  | viewer.loadGUI(() => { |
|  | viewer.setLanguage('en'); |
|  | $("#menu\_appearance").next().show(); |
|  | $("#menu\_tools").next().show(); |
|  | $("#menu\_clipping").next().show(); |
|  | viewer.toggleSidebar(); |
|  | }); |
|  |  |
|  |  |
|  |  |
|  | Potree.loadPointCloud("./pointclouds/newdata3/metadata.json", "newdata3", e => { |
|  | let scene = viewer.scene; |
|  | let pointcloud = e.pointcloud; |
|  |  |
|  | let material = pointcloud.material; |
|  | material.size = 1; |
|  | material.pointSizeType = Potree.PointSizeType.ADAPTIVE; |
|  | material.shape = Potree.PointShape.SQUARE; |
|  | material.activeAttributeName = "rgba"; |
|  |  |
|  | scene.addPointCloud(pointcloud); |
|  |  |
|  | viewer.fitToScreen(); |
|  | }); |
|  |  |
|  |  |
|  |  |
|  | </script> |
|  |  |
|  |  |
|  | </body> |
|  | </html> |
|  |  |

**Projects ex#4**

|  |  |
| --- | --- |
|  | <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="description" content=""> |
|  | <meta name="author" content=""> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=no"> |
|  | <title>Potree Viewer</title> |
|  |  |
|  | <link rel="stylesheet" type="text/css" href="[./libs/potree/potree.css](http://localhost/potree/nd5/libs/potree/potree.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/jquery-ui/jquery-ui.min.css](http://localhost/potree/nd5/libs/jquery-ui/jquery-ui.min.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/openlayers3/ol.css](http://localhost/potree/nd5/libs/openlayers3/ol.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/spectrum/spectrum.css](http://localhost/potree/nd5/libs/spectrum/spectrum.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/jstree/themes/mixed/style.css](http://localhost/potree/nd5/libs/jstree/themes/mixed/style.css)"> |
|  | </head> |
|  |  |
|  | <body> |
|  | <script src="[./libs/jquery/jquery-3.1.1.min.js](http://localhost/potree/nd5/libs/jquery/jquery-3.1.1.min.js)"></script> |
|  | <script src="[./libs/spectrum/spectrum.js](http://localhost/potree/nd5/libs/spectrum/spectrum.js)"></script> |
|  | <script src="[./libs/jquery-ui/jquery-ui.min.js](http://localhost/potree/nd5/libs/jquery-ui/jquery-ui.min.js)"></script> |
|  | <script src="[./libs/other/BinaryHeap.js](http://localhost/potree/nd5/libs/other/BinaryHeap.js)"></script> |
|  | <script src="[./libs/tween/tween.min.js](http://localhost/potree/nd5/libs/tween/tween.min.js)"></script> |
|  | <script src="[./libs/d3/d3.js](http://localhost/potree/nd5/libs/d3/d3.js)"></script> |
|  | <script src="[./libs/proj4/proj4.js](http://localhost/potree/nd5/libs/proj4/proj4.js)"></script> |
|  | <script src="[./libs/openlayers3/ol.js](http://localhost/potree/nd5/libs/openlayers3/ol.js)"></script> |
|  | <script src="[./libs/i18next/i18next.js](http://localhost/potree/nd5/libs/i18next/i18next.js)"></script> |
|  | <script src="[./libs/jstree/jstree.js](http://localhost/potree/nd5/libs/jstree/jstree.js)"></script> |
|  | <script src="[./libs/potree/potree.js](http://localhost/potree/nd5/libs/potree/potree.js)"></script> |
|  | <script src="[./libs/plasio/js/laslaz.js](http://localhost/potree/nd5/libs/plasio/js/laslaz.js)"></script> |
|  |  |
|  | <!-- INCLUDE ADDITIONAL DEPENDENCIES HERE --> |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  |  |
|  | <div class="potree\_container" style="position: absolute; width: 100%; height: 100%; left: 0px; top: 0px; "> |
|  | <div id="potree\_render\_area" style="background-image: url('../build/potree/resources/images/background.jpg');"></div> |
|  | </div> |
|  |  |
|  | <script> |
|  |  |
|  | window.viewer = new Potree.Viewer(document.getElementById("potree\_render\_area")); |
|  |  |
|  | viewer.setEDLEnabled(true); |
|  | viewer.setFOV(60); |
|  | viewer.setPointBudget(2\_000\_000); |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  | viewer.loadSettingsFromURL(); |
|  |  |
|  | viewer.setDescription(""); |
|  |  |
|  | viewer.loadGUI(() => { |
|  | viewer.setLanguage('en'); |
|  | $("#menu\_appearance").next().show(); |
|  | $("#menu\_tools").next().show(); |
|  | $("#menu\_clipping").next().show(); |
|  | viewer.toggleSidebar(); |
|  | }); |
|  |  |
|  |  |
|  |  |
|  | Potree.loadPointCloud("./pointclouds/newdata5/metadata.json", "newdata5", e => { |
|  | let scene = viewer.scene; |
|  | let pointcloud = e.pointcloud; |
|  |  |
|  | let material = pointcloud.material; |
|  | material.size = 1; |
|  | material.pointSizeType = Potree.PointSizeType.ADAPTIVE; |
|  | material.shape = Potree.PointShape.SQUARE; |
|  | material.activeAttributeName = "rgba"; |
|  |  |
|  | scene.addPointCloud(pointcloud); |
|  |  |
|  | viewer.fitToScreen(); |
|  | }); |
|  |  |
|  |  |
|  |  |
|  | </script> |
|  |  |
|  |  |
|  | </body> |
|  | </html> |
|  |  |

**Projects ex#5**

|  |  |
| --- | --- |
|  | <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="description" content=""> |
|  | <meta name="author" content=""> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=no"> |
|  | <title>Potree Viewer</title> |
|  |  |
|  | <link rel="stylesheet" type="text/css" href="[./libs/potree/potree.css](http://localhost/potree/nd4/libs/potree/potree.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/jquery-ui/jquery-ui.min.css](http://localhost/potree/nd4/libs/jquery-ui/jquery-ui.min.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/openlayers3/ol.css](http://localhost/potree/nd4/libs/openlayers3/ol.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/spectrum/spectrum.css](http://localhost/potree/nd4/libs/spectrum/spectrum.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[./libs/jstree/themes/mixed/style.css](http://localhost/potree/nd4/libs/jstree/themes/mixed/style.css)"> |
|  | </head> |
|  |  |
|  | <body> |
|  | <script src="[./libs/jquery/jquery-3.1.1.min.js](http://localhost/potree/nd4/libs/jquery/jquery-3.1.1.min.js)"></script> |
|  | <script src="[./libs/spectrum/spectrum.js](http://localhost/potree/nd4/libs/spectrum/spectrum.js)"></script> |
|  | <script src="[./libs/jquery-ui/jquery-ui.min.js](http://localhost/potree/nd4/libs/jquery-ui/jquery-ui.min.js)"></script> |
|  | <script src="[./libs/other/BinaryHeap.js](http://localhost/potree/nd4/libs/other/BinaryHeap.js)"></script> |
|  | <script src="[./libs/tween/tween.min.js](http://localhost/potree/nd4/libs/tween/tween.min.js)"></script> |
|  | <script src="[./libs/d3/d3.js](http://localhost/potree/nd4/libs/d3/d3.js)"></script> |
|  | <script src="[./libs/proj4/proj4.js](http://localhost/potree/nd4/libs/proj4/proj4.js)"></script> |
|  | <script src="[./libs/openlayers3/ol.js](http://localhost/potree/nd4/libs/openlayers3/ol.js)"></script> |
|  | <script src="[./libs/i18next/i18next.js](http://localhost/potree/nd4/libs/i18next/i18next.js)"></script> |
|  | <script src="[./libs/jstree/jstree.js](http://localhost/potree/nd4/libs/jstree/jstree.js)"></script> |
|  | <script src="[./libs/potree/potree.js](http://localhost/potree/nd4/libs/potree/potree.js)"></script> |
|  | <script src="[./libs/plasio/js/laslaz.js](http://localhost/potree/nd4/libs/plasio/js/laslaz.js)"></script> |
|  |  |
|  | <!-- INCLUDE ADDITIONAL DEPENDENCIES HERE --> |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  |  |
|  | <div class="potree\_container" style="position: absolute; width: 100%; height: 100%; left: 0px; top: 0px; "> |
|  | <div id="potree\_render\_area" style="background-image: url('../build/potree/resources/images/background.jpg');"></div> |
|  | </div> |
|  |  |
|  | <script> |
|  |  |
|  | window.viewer = new Potree.Viewer(document.getElementById("potree\_render\_area")); |
|  |  |
|  | viewer.setEDLEnabled(true); |
|  | viewer.setFOV(60); |
|  | viewer.setPointBudget(2\_000\_000); |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  | viewer.loadSettingsFromURL(); |
|  |  |
|  | viewer.setDescription(""); |
|  |  |
|  | viewer.loadGUI(() => { |
|  | viewer.setLanguage('en'); |
|  | $("#menu\_appearance").next().show(); |
|  | $("#menu\_tools").next().show(); |
|  | $("#menu\_clipping").next().show(); |
|  | viewer.toggleSidebar(); |
|  | }); |
|  |  |
|  |  |
|  |  |
|  | Potree.loadPointCloud("./pointclouds/newdata4/metadata.json", "newdata4", e => { |
|  | let scene = viewer.scene; |
|  | let pointcloud = e.pointcloud; |
|  |  |
|  | let material = pointcloud.material; |
|  | material.size = 1; |
|  | material.pointSizeType = Potree.PointSizeType.ADAPTIVE; |
|  | material.shape = Potree.PointShape.SQUARE; |
|  | material.activeAttributeName = "rgba"; |
|  |  |
|  | scene.addPointCloud(pointcloud); |
|  |  |
|  | viewer.fitToScreen(); |
|  | }); |
|  |  |
|  |  |
|  |  |
|  | </script> |
|  |  |
|  |  |
|  | </body> |
|  | </html> |
|  |  |

**Projects ex#6**

|  |  |
| --- | --- |
|  | <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="description" content=""> |
|  | <meta name="author" content=""> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=no"> |
|  | <title>Potree Viewer</title> |
|  |  |
|  | <link rel="stylesheet" type="text/css" href="[../../build/potree/potree.css](http://localhost/potree-develop/build/potree/potree.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../../libs/jquery-ui/jquery-ui.min.css](http://localhost/potree-develop/libs/jquery-ui/jquery-ui.min.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../../libs/openlayers3/ol.css](http://localhost/potree-develop/libs/openlayers3/ol.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../../libs/spectrum/spectrum.css](http://localhost/potree-develop/libs/spectrum/spectrum.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../../libs/jstree/themes/mixed/style.css](http://localhost/potree-develop/libs/jstree/themes/mixed/style.css)"> |
|  | </head> |
|  |  |
|  | <body> |
|  | <script src="[../../libs/jquery/jquery-3.1.1.min.js](http://localhost/potree-develop/libs/jquery/jquery-3.1.1.min.js)"></script> |
|  | <script src="[../../libs/spectrum/spectrum.js](http://localhost/potree-develop/libs/spectrum/spectrum.js)"></script> |
|  | <script src="[../../libs/jquery-ui/jquery-ui.min.js](http://localhost/potree-develop/libs/jquery-ui/jquery-ui.min.js)"></script> |
|  |  |
|  | <script src="[../../libs/other/BinaryHeap.js](http://localhost/potree-develop/libs/other/BinaryHeap.js)"></script> |
|  | <script src="[../../libs/tween/tween.min.js](http://localhost/potree-develop/libs/tween/tween.min.js)"></script> |
|  | <script src="[../../libs/d3/d3.js](http://localhost/potree-develop/libs/d3/d3.js)"></script> |
|  | <script src="[../../libs/proj4/proj4.js](http://localhost/potree-develop/libs/proj4/proj4.js)"></script> |
|  | <script src="[../../libs/openlayers3/ol.js](http://localhost/potree-develop/libs/openlayers3/ol.js)"></script> |
|  | <script src="[../../libs/i18next/i18next.js](http://localhost/potree-develop/libs/i18next/i18next.js)"></script> |
|  | <script src="[../../libs/jstree/jstree.js](http://localhost/potree-develop/libs/jstree/jstree.js)"></script> |
|  | <script src="[../../build/potree/potree.js](http://localhost/potree-develop/build/potree/potree.js)"></script> |
|  | <script src="[../../libs/plasio/js/laslaz.js](http://localhost/potree-develop/libs/plasio/js/laslaz.js)"></script> |
|  |  |
|  | <!-- INCLUDE ADDITIONAL DEPENDENCIES HERE --> |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  |  |
|  | <div class="potree\_container" style="position: absolute; width: 100%; height: 100%; left: 0px; top: 0px; "> |
|  | <div id="potree\_render\_area"></div> |
|  | </div> |
|  |  |
|  | <script type="module"> |
|  |  |
|  | import \* as THREE from "../../libs/three.js/build/three.module.js"; |
|  |  |
|  | window.viewer = new Potree.Viewer(document.getElementById("potree\_render\_area")); |
|  |  |
|  | viewer.setEDLEnabled(true); |
|  | viewer.setFOV(60); |
|  | viewer.setPointBudget(1\_000\_000); |
|  | viewer.loadSettingsFromURL(); |
|  |  |
|  | viewer.loadGUI(() => { |
|  | viewer.setLanguage('en'); |
|  | $("#menu\_appearance").next().show(); |
|  | $("#menu\_tools").next().show(); |
|  | $("#menu\_scene").next().show(); |
|  | viewer.toggleSidebar(); |
|  | }); |
|  |  |
|  | // Load and add point cloud to scene |
|  | Potree.loadPointCloud("http://5.9.65.151/mschuetz/potree/resources/pointclouds/weiss/cooler\_tower/cloud.js", "Cooler Tower", function(e){ |
|  | let scene = viewer.scene; |
|  | let pointcloud = e.pointcloud; |
|  |  |
|  | let material = pointcloud.material; |
|  | material.size = 1; |
|  | material.pointSizeType = Potree.PointSizeType.ADAPTIVE; |
|  | material.shape = Potree.PointShape.SQUARE; |
|  |  |
|  | scene.addPointCloud(pointcloud); |
|  |  |
|  | e.pointcloud.rotation.set(-1.9, 0, 0) |
|  | e.pointcloud.position.set(-1.7, -1.5, 7); |
|  |  |
|  | viewer.fitToScreen(); |
|  | }); |
|  |  |
|  | </script> |
|  |  |
|  |  |
|  | </body> |
|  | </html> |

**Projects ex#7**

|  |  |
| --- | --- |
|  | <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="description" content=""> |
|  | <meta name="author" content=""> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=no"> |
|  | <title>Potree Viewer</title> |
|  |  |
|  | <link rel="stylesheet" type="text/css" href="[../../build/potree/potree.css](http://localhost/potree-develop/build/potree/potree.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../../libs/jquery-ui/jquery-ui.min.css](http://localhost/potree-develop/libs/jquery-ui/jquery-ui.min.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../../libs/openlayers3/ol.css](http://localhost/potree-develop/libs/openlayers3/ol.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../../libs/spectrum/spectrum.css](http://localhost/potree-develop/libs/spectrum/spectrum.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../../libs/jstree/themes/mixed/style.css](http://localhost/potree-develop/libs/jstree/themes/mixed/style.css)"> |
|  | </head> |
|  |  |
|  | <body> |
|  | <script src="[../../libs/jquery/jquery-3.1.1.min.js](http://localhost/potree-develop/libs/jquery/jquery-3.1.1.min.js)"></script> |
|  | <script src="[../../libs/spectrum/spectrum.js](http://localhost/potree-develop/libs/spectrum/spectrum.js)"></script> |
|  | <script src="[../../libs/jquery-ui/jquery-ui.min.js](http://localhost/potree-develop/libs/jquery-ui/jquery-ui.min.js)"></script> |
|  |  |
|  | <script src="[../../libs/other/BinaryHeap.js](http://localhost/potree-develop/libs/other/BinaryHeap.js)"></script> |
|  | <script src="[../../libs/tween/tween.min.js](http://localhost/potree-develop/libs/tween/tween.min.js)"></script> |
|  | <script src="[../../libs/d3/d3.js](http://localhost/potree-develop/libs/d3/d3.js)"></script> |
|  | <script src="[../../libs/proj4/proj4.js](http://localhost/potree-develop/libs/proj4/proj4.js)"></script> |
|  | <script src="[../../libs/openlayers3/ol.js](http://localhost/potree-develop/libs/openlayers3/ol.js)"></script> |
|  | <script src="[../../libs/i18next/i18next.js](http://localhost/potree-develop/libs/i18next/i18next.js)"></script> |
|  | <script src="[../../libs/jstree/jstree.js](http://localhost/potree-develop/libs/jstree/jstree.js)"></script> |
|  | <script src="[../../build/potree/potree.js](http://localhost/potree-develop/build/potree/potree.js)"></script> |
|  | <script src="[../../libs/plasio/js/laslaz.js](http://localhost/potree-develop/libs/plasio/js/laslaz.js)"></script> |
|  |  |
|  | <!-- INCLUDE ADDITIONAL DEPENDENCIES HERE --> |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  |  |
|  | <div class="potree\_container" style="position: absolute; width: 100%; height: 100%; left: 0px; top: 0px; "> |
|  | <div id="potree\_render\_area"></div> |
|  | </div> |
|  |  |
|  | <script type="module"> |
|  |  |
|  | import \* as THREE from "../../libs/three.js/build/three.module.js"; |
|  |  |
|  | window.viewer = new Potree.Viewer(document.getElementById("potree\_render\_area")); |
|  |  |
|  | viewer.setEDLEnabled(true); |
|  | viewer.setFOV(60); |
|  | viewer.setPointBudget(1\_000\_000); |
|  | viewer.loadSettingsFromURL(); |
|  |  |
|  | viewer.loadGUI(() => { |
|  | viewer.setLanguage('en'); |
|  | $("#menu\_tools").next().show(); |
|  | //viewer.toggleSidebar(); |
|  | }); |
|  |  |
|  | // Load and add point cloud to scene |
|  | Potree.loadPointCloud("http://5.9.65.151/mschuetz/potree/resources/pointclouds/garagnani\_simone/lion\_head/cloud.js", "Lion Head", function(e){ |
|  | let scene = viewer.scene; |
|  | let pointcloud = e.pointcloud; |
|  |  |
|  | let material = pointcloud.material; |
|  | material.size = 1; |
|  | material.pointSizeType = Potree.PointSizeType.ADAPTIVE; |
|  | material.shape = Potree.PointShape.SQUARE; |
|  |  |
|  | scene.addPointCloud(pointcloud); |
|  |  |
|  | e.pointcloud.position.set(0, 0, 0); |
|  |  |
|  | scene.view.position.set(-1.36, -6.10, 7.04); |
|  | scene.view.lookAt(new THREE.Vector3(3.64, 1.59, 3.04)); |
|  | }); |
|  |  |
|  | </script> |
|  |  |
|  |  |
|  | </body> |
|  | </html> |
|  |  |

**Projects ex#8**

|  |  |
| --- | --- |
|  | <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="utf-8"> |
|  | <meta name="description" content=""> |
|  | <meta name="author" content=""> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=no"> |
|  | <title>Potree Viewer</title> |
|  |  |
|  | <link rel="stylesheet" type="text/css" href="[../build/potree/potree.css](http://localhost/potree-develop/build/potree/potree.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../libs/jquery-ui/jquery-ui.min.css](http://localhost/potree-develop/libs/jquery-ui/jquery-ui.min.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../libs/openlayers3/ol.css](http://localhost/potree-develop/libs/openlayers3/ol.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../libs/spectrum/spectrum.css](http://localhost/potree-develop/libs/spectrum/spectrum.css)"> |
|  | <link rel="stylesheet" type="text/css" href="[../libs/jstree/themes/mixed/style.css](http://localhost/potree-develop/libs/jstree/themes/mixed/style.css)"> |
|  | </head> |
|  |  |
|  | <body> |
|  | <script src="[../libs/jquery/jquery-3.1.1.min.js](http://localhost/potree-develop/libs/jquery/jquery-3.1.1.min.js)"></script> |
|  | <script src="[../libs/spectrum/spectrum.js](http://localhost/potree-develop/libs/spectrum/spectrum.js)"></script> |
|  | <script src="[../libs/jquery-ui/jquery-ui.min.js](http://localhost/potree-develop/libs/jquery-ui/jquery-ui.min.js)"></script> |
|  |  |
|  |  |
|  | <script src="[../libs/other/BinaryHeap.js](http://localhost/potree-develop/libs/other/BinaryHeap.js)"></script> |
|  | <script src="[../libs/tween/tween.min.js](http://localhost/potree-develop/libs/tween/tween.min.js)"></script> |
|  | <script src="[../libs/d3/d3.js](http://localhost/potree-develop/libs/d3/d3.js)"></script> |
|  | <script src="[../libs/proj4/proj4.js](http://localhost/potree-develop/libs/proj4/proj4.js)"></script> |
|  | <script src="[../libs/openlayers3/ol.js](http://localhost/potree-develop/libs/openlayers3/ol.js)"></script> |
|  | <script src="[../libs/i18next/i18next.js](http://localhost/potree-develop/libs/i18next/i18next.js)"></script> |
|  | <script src="[../libs/jstree/jstree.js](http://localhost/potree-develop/libs/jstree/jstree.js)"></script> |
|  | <script src="[../build/potree/potree.js](http://localhost/potree-develop/build/potree/potree.js)"></script> |
|  | <script src="[../libs/plasio/js/laslaz.js](http://localhost/potree-develop/libs/plasio/js/laslaz.js)"></script> |
|  | <!-- INCLUDE ADDITIONAL DEPENDENCIES HERE --> |
|  | <!-- INCLUDE SETTINGS HERE --> |
|  |  |
|  | <div class="potree\_container" style="position: absolute; width: 100%; height: 100%; left: 0px; top: 0px; "> |
|  | <div id="potree\_render\_area" style="background-image: url('../build/potree/resources/images/background.jpg');"></div> |
|  | <!--<div id="potree\_sidebar\_container">--> </div> |
|  | </div> |
|  |  |
|  | <script type="module"> |
|  |  |
|  | window.viewer = new Potree.Viewer(document.getElementById("potree\_render\_area")); |
|  |  |
|  | viewer.setEDLEnabled(false); |
|  | viewer.setFOV(60); |
|  | viewer.setPointBudget(1\_000\_000); |
|  | viewer.loadSettingsFromURL(); |
|  | viewer.setBackground("skybox"); |
|  |  |
|  | /\* viewer.setDescription("Point cloud courtesy of <a target='\_blank' href='https://www.sigeom.ch/'>sigeom sa</a>"); \*/ |
|  |  |
|  | viewer.loadGUI(() => { |
|  | viewer.setLanguage('en'); |
|  | $("#menu\_tools").next().show(); |
|  | $("#menu\_clipping").next().show(); |
|  | viewer.toggleSidebar(); |
|  | }); |
|  |  |
|  | // Load and add point cloud to scene |
|  | Potree.loadPointCloud("../pointclouds/vol\_total/cloud.js", "sigeom.sa", e => { |
|  | let scene = viewer.scene; |
|  | let pointcloud = e.pointcloud; |
|  |  |
|  | let material = pointcloud.material; |
|  | material.size = 1; |
|  | material.pointSizeType = Potree.PointSizeType.ADAPTIVE; |
|  | material.shape = Potree.PointShape.SQUARE; |
|  |  |
|  | scene.addPointCloud(pointcloud); |
|  |  |
|  | viewer.fitToScreen(); |
|  | // scene.view.setView( |
|  | // [589974.341, 231698.397, 986.146], |
|  | // [589851.587, 231428.213, 715.634], |
|  | // ); |
|  | }); |
|  |  |
|  | </script> |
|  |  |
|  |  |
|  | </body> |
|  | </html> |
|  |  |